



April 13, 2010

Chief, Air Enforcement and Compliance Assurance Branch
Air and Radiation Division (AE-17J)
USEPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Attention: Enforcement Tracker

Subject: United States of America and Michigan Department of Environmental Quality v.
Severstal North America, Inc. – Civil Action Nos. 00-75452 and 00-75454,
USAO File No. 1999 00492, DOJ Case No. 90-5-2-1-2211/1 – Quarterly Report

Per Section V, paragraph 21 of the subject Civil Actions, attached is Severstal's quarterly report for January – March 2010.

The demonstration report for the “B” Blast Furnace Casthouse demonstration, which was completed on September 19, 2002, was submitted on October 16, 2002. Rouge Steel received the written notice of compliance from EPA pursuant to paragraph 11(d) on November 13, 2002. The list of O&M practices and emission control technologies to use on an ongoing basis was incorporated into the Consent Decree on June 25, 2004 as Appendix E. On September 24, 2007, a Stipulation was filed with the Court amending Appendix E which allows termination of the O&M practices upon full operation of a capture-type particulate emission control system.

On January 5, 2008, an eruption in the “B” Blast Furnace resulted in a breach in the furnace shell. The furnace has not been in operation since January 5, 2008 and therefore, Severstal has not been able to utilize the O&M practices in Appendix E nor have we been able to perform the visible emission monitoring required by Section 19(a). A Force Majeure notification was sent to EPA on January 11, 2008. Due to the current market conditions, repairs to “B” Blast Furnace have been temporarily suspended, and Severstal is not yet able to predict the date by which all repairs will be completed. The “B” Blast Furnace will be equipped with a capture-type particulate emission control system when it resumes operation.

The BOF demonstration was completed October 28, 2002, and the demonstration report was submitted on November 22, 2002. After completion of a dispute resolution process regarding O&M practices and emission control technologies to be used at the BOF, a Stipulation regarding BOF O&M practices was filed with the Court on October 25, 2006, and the list of O&M practices to be used at the BOF was filed with the Court and incorporated into the Consent Order on October 30, 2006 as Appendix G. On October 15, 2007, Severstal began operating a baghouse dust collector to control secondary emissions at the BOF. Accordingly, per the

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April 13, 2010

Page 2 of 2

authorization in Section II of Appendix G Severstal has ceased utilization of the O&M practices set forth in Section II of Appendix G. Severstal is continuing to utilize the O&M practices set forth in Section I of Appendix G. Notice of the operation of the baghouse dust collector and the cessation of the Appendix G, Section II O&M practices was given to EPA by letter dated October 26, 2007.

The demonstration report for the "C" Blast Furnace Casthouse demonstration, which was completed on February 7, 2003, was submitted on February 13, 2003. Rouge Steel received the written notice of compliance from EPA pursuant to paragraph 11(d) on March 17, 2003. The list of O&M practices and emission control technologies to use on an ongoing basis was incorporated into the Consent Decree on June 25, 2004 as Appendix F. On September 24, 2007, a Stipulation was filed with the Court amending Appendix F which allows termination of the O&M practices upon full operation of a capture-type particulate emission control system.

On October 19, 2007, the capture-type particulate emission control system at the "C" Blast Furnace Casthouse became fully operational. Accordingly, as authorized by Appendix F Severstal has ceased utilization of the "Ongoing Operating and Maintenance Practices (restated)" listed in Appendix F. Notice of the operation of the particulate emission control system and the cessation of O&M practices was given to EPA by letter dated October 26, 2007.

Please feel free to contact me at (313) 845-3217, if you have any questions regarding this subject.

Very truly yours,



James E. Earl, Manager
Environmental Engineering

Attachments

cc: Gaylene Vasaturo, Esq.
Ms. Teresa Seidel
Scott R. Dismukes, Esq.

SEVERSTAL DEARBORN, INC.
CIVIL ACTION NOS, 00-75452 AND 0075454

QUARTERLY REPORT FOR JANUARY 1 – MARCH 31, 2010

SECTION IV MONITORING	RESULTS
Conduct VE Observation of "C" Blast Furnace Bleeders	See attached VE data sheets and reasons for discharges
Conduct Weekly VE Observations of "B" Blast Furnace Casthouse	No VE data due to January 5, 2008 eruption
Conduct Weekly VE Observations of BOF Roof Monitors	See attached VE data sheets
Conduct Weekly VE Observations of "C" Blast Furnace Casthouse	See attached VE data sheets
VE Observations of "B" Blast Furnace Roof Monitors when burning open taphole	None this quarter
O&M practices and Control Technologies for "B" Blast Furnace	See Exhibit A
O&M practices and Control Technologies for BOF	See Exhibit C
MDEQ ROP Report Certification and Deviation Report	See Exhibit D

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my directions and my inquiry of the person(s) who manage the system or are directly responsible for gathering the information, the information submitted in this document is true, accurate and complete to the best of my knowledge and belief. I understand that there are penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Bruce L. Black, Vice President and General Manager



Date

EXHIBIT A
SEVERSTAL DEARBORN, INC.

CIVIL ACTION NOS. 00-75452 AND 00-75454

JANUARY 1 - MARCH 31, 2010
O AND M MONITORING
B BLAST FURNACE

REQUIREMENT	RESULTS
<u>GENERAL</u>	
Use of natural gas suppression	Furnace not in operation
Tap hole/trough natural gas suppression flow rate >= 135 scfm	Furnace not in operation
Record taphole/trough natural gas suppression flow rate once per cast	Furnace not in operation
Iron runners/iron spouts natural gas suppression flow rate >= 207 scfm	Furnace not in operation
Record iron runners/iron spouts natural gas suppression flow rate once per cast	Furnace not in operation
Gas lance usage requirements	Furnace not in operation
Trough and Iron runner covers in place	Furnace not in operation
<u>TAPHOLE AREA</u>	
Taphole Burned open	Furnace not in operation

EXHIBIT A
SEVERSTAL DEARBORN, INC.

CIVIL ACTION NOS. 00-75452 AND 00-75454

JANUARY 1 - MARCH 31, 2010
O AND M MONITORING
B BLAST FURNACE

REQUIREMENT	RESULTS
Visible emission observations within 5 mintutes of starting burning open of taphole	Furnace not in operation
drill bit <= 2" diameter	Furnace not in operation
Natural gas suppression operating continuously during specified times	Furnace not in operation
TROUGH	
Natural gas suppression operating continuously during specified times	Furnace not in operation
Sealing of covered area	Furnace not in operation
IRON RUNNERS	
Natural gas suppression operating continuously during specified times	Furnace not in operation
IRON SPOUTS	
Natural gas suppression operating continuously during specified times	Furnace not in operation
Heating of iron ladles	Furnace not in operation

EXHIBIT C
SEVERSTAL DEARBORN, INC.

CIVIL ACTION NOS. 00-75452 AND 00-75454

**JANUARY 1 - MARCH 31, 2010 O AND M MONITORING
BASIC OXYGEN FURNACE**

REQUIREMENT	RESULTS
GENERAL	
Submit final Emission Control Alternatives to Reduce Emissions from Treadwell Cars Report to MDEQ	Report submitted on January 4, 2007
There shall be no visible emissions escaping into the shop through the expansion joints of the furnace hoods during oxygen blowing	Met every heat
HOT METAL CHARGING	
Hot metal charge into furnace shall not be less than 90 seconds in duration	No longer required
Furnace angle shall not be less than 320 degrees from the vertical at the beginning of the charge. The furnace angle shall not be less than 300 degrees at the end of charge, except when the hot metal charge duration is at least 120 seconds	No longer required
Humidification steam shall be in operation during hot metal charge	No longer required
Fugitive emission duct damper shall be fully opened during hot metal charge	No longer required
The furnace exhaust damper shall be fully opened during hot metal charge	No longer required
Area between the fugitive emission duct hood and furnace exhaust hood shall be totally covered with shrouds	No longer required

EXHIBIT C
SEVERSTAL DEARBORN, INC.

CIVIL ACTION NOS. 00-75452 AND 00-75454

**JANUARY 1 - MARCH 31, 2010 O AND M MONITORING
BASIC OXYGEN FURNACE**

REQUIREMENT	RESULTS
OXYGEN BLOWING	
Fugitive emission duct damper shall be closed during oxygen blowing	No longer required
The furnace exhaust damper shall be fully opened during oxygen blowing	No longer required
Oxygen blow rate shall not exceed 24,500 scfm	No longer required
Oxygen blow rate shall be reduced to approximately 18,000 scfm during and between minutes 8 and 14 of the blow	No longer required
TURNDOWN	
If any emissions during initial turndown that are not captured by the furnace hood, upright vessel. If during a second turndown, there are any emissions that are not captured by the hood, there shall be no more turndowns for that heat	No longer required
TAPPING	
The furnace exhaust hood shall be used to capture emissions from all tapping operations until any addition of conditioners to the steel ladle are complete	No longer required

EXHIBIT C
SEVERSTAL DEARBORN, INC.

CIVIL ACTION NOS. 00-75452 AND 00-75454

**JANUARY 1 - MARCH 31, 2010 O AND M MONITORING
BASIC OXYGEN FURNACE**

REQUIREMENT	RESULTS
ESP	
Visible emission reading for the ESP stack for two consecutive hours each day one or more complete compartments is out of service	No longer required
VESSEL OPERATIONS	
Shall not hot metal charge and tap and hot metal charge and oxygen blow simultaneously	No longer required

EXHIBIT D

DEQ
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
REPORT CERTIFICATION**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

Reports submitted pursuant to R 336.1213 (Rule 213), subrules (3)(c) and/or (4)(c), of Michigan's Renewable Operating Permit (ROP) program must be certified by a responsible official. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division upon request.

Source Name Severstal Dearborn, Inc. County Wayne

Source Address 4001 Miller Road City Dearborn

AQD Source ID (SRN) A8640 ROP No. 199700004 ROP Section No. 1

Please check the appropriate box(es):

Annual Compliance Certification (Pursuant to Rule 213(4)(c))

- Reporting period (provide inclusive dates): From _____ To _____
1. During the entire reporting period, this source was in compliance with **ALL** terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference. The method(s) used to determine compliance is/are the method(s) specified in the ROP.
2. During the entire reporting period this source was in compliance with all terms and conditions contained in the ROP, each term and condition of which is identified and included by this reference, **EXCEPT** for the deviations identified on the enclosed deviation report(s). The method used to determine compliance for each term and condition is the method specified in the ROP, unless otherwise indicated and described on the enclosed deviation report(s).

Semi-Annual (or More Frequent) Report Certification (Pursuant to Rule 213(3)(c))

Reporting period (provide inclusive dates): From _____ To _____

1. During the entire reporting period, **ALL** monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred.
2. During the entire reporting period, all monitoring and associated recordkeeping requirements in the ROP were met and no deviations from these requirements or any other terms or conditions occurred, **EXCEPT** for the deviations identified on the enclosed deviation report(s).

Other Report Certification

Reporting period (provide inclusive dates): From 01/01/10 To 03/31/10

Additional monitoring reports or other applicable documents required by the ROP are attached as described:

United States of America and Michigan Department of Environmental Quality v.

Severstal North America, Inc. - Civil Action Nos. 00-75452

and 00-75454, USAO File No. 1999 00492, DOJ Case No.90-5-2-1-2211/1 - Quarterly Report

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this report and the supporting enclosures are true, accurate and complete

Bruce L. Black V. P. and General Manager (313) 317-8955
Name of Responsible Official (print or type) Title Phone Number

B.L. Black
Signature of Responsible Official

4/14/10
Date



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

**RENEWABLE OPERATING PERMIT
DEVIATION REPORT**

Authorized by 1994 P.A. 451, as amended. Failure to provide this information may result in civil and/or criminal penalties.

This form may be submitted in conjunction with the Renewable Operating Permit Report Certification form (EQP 5736) to report deviations from all general conditions and special conditions in the Renewable Operating Permit (ROP) for which deviations required to be reported by R 336.1213 (Rule 213) subrule (3)(c) have occurred. Additional information regarding the reports and documentation listed below must be kept on file for at least 5 years, as specified in Rule 213(3)(b)(ii), and be made available to the Department of Environmental Quality, Air Quality Division, upon request. Items 1 - 8 must be completed for all deviations being reported.

Source Name Severstal Dearborn, Inc. County Wayne

Source Address 4001 Miller Road City Dearborn

AQD Source ID (SRN) A8640 ROP No. 199700004 ROP Section No. 1

ROP Section Contact James E. Earl Contact Phone No. (313) 845-3217

Reporting Period (provide inclusive dates): From 01/01/10 to 03/31/10

Report Type: Annual Semi Annual Other (Describe) USEPA Consent Decree Quarterly Report

1. Group or Source Wide ID <u>EGBBFCASTHOUSE</u>	2. Condition No. <u>III.B.3.1</u>	3. Date(s) of Occurrence <u>Starting 01/1/10</u>	4. Previously reported ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Date	5. Duration of Deviation <u>13 weeks</u>
6. Method Used to Determine Compliance Status (if different from method specified in ROP)		7. Description of Deviation Did not conduct weekly visible emission observations of roof monitor. See our January 11, 2008 letter to EPA for details.		
8. Reason for Deviation and Description of Corrective Action Taken Due to an eruption of B Blast Furnace on January 5, 2008, B Blast Furnace has not been in operation and therefore, Severstal was unable to perform the visible observations.				

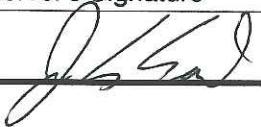
1. Group or Source Wide ID	2. Condition No.	3. Date(s) of Occurrence	4. Previously reported ? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Date	5. Duration of Deviation
6. Method Used to Determine Compliance Status (if different from method specified in ROP)		7. Description of Deviation		
8. Reason for Deviation and Description of Corrective Action Taken				

1. Group or Source Wide ID <u>EGBBFCASTHOUSE</u>	2. Condition No. <u>V.3</u>	3. Date(s) of Occurrence <u>Starting 01/1/10</u>	4. Previously reported ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Date	5. Duration of Deviation <u>90 days</u>
6. Method Used to Determine Compliance Status (if different from method specified in ROP)		7. Description of Deviation Operation and maintenance practices were not utilized on an ongoing basis. See our January 11, 2008 letter to EPA for details.		
8. Reason for Deviation and Description of Corrective Action Taken Due to an eruption of B Blast Furnace on January 5, 2008, B Blast Furnace has not been in operation and therefore, Severstal was unable to utilize the operation and maintenance practices.				

SEVERSTAL DEARBORN, INC.**C BLAST FURNACE BLEEDER DISCHARGES**
1ST QUARTER 2010

Date	Bleeders Opened	Visible Emissions Reading Start Time	Emissions End Time	Reason for Bleeder Discharge	Steps taken to minimize future discharges
1/2/2010	10:08 AM	10:08 AM	10:08 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to Caster problems	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
1/5/2010	9:47 AM	9:47 AM	9:47 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to changing #20 tuyere	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
2/20/2010	12:00 PM	12:00 PM	12:10 PM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to changing #18 tuyere	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
2/25/2010	11:28 AM	11:28 AM	11:34 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to changing #20 tuyere	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
2/25/2010	5:16 PM	5:16 PM	5:23 PM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to conveyor problems	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
3/1/2010	9:38 AM	9:38 AM	9:38 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to changing #7 tuyere	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
3/19/2010	11:31 AM	11:32 AM	11:42 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to conveyor problems	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.
3/25/2010	10:53 AM	10:53 AM	11:02 AM	Bleeders opened as part of shutdown procedures during shutdown of blast furnace due to changing #10 & #13 tuyeres	Shutdown procedures and SSM plan followed, including use of revised blast pressure of 5 lbs.

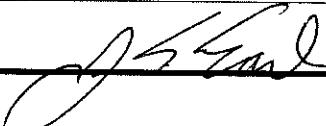
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3-25-10
OBSERVER:	J. Earl
START:	10:53 am pm
FINISH:	11:07 am pm
Source:	C BF Bleeders
Observation Point	Gate 3 Parking Lot
distance from:	500'
direction from:	NE
source height:	250'
wind direction	NE
wind speed	5
sky condition	Cloudy/Part
amb. temp. (F)	46
color of emissions	Gray
other:	
Remarks:	Bleeders Opened at 10:53 AM
Observer's Signature	

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23					10:	53	50	20	15	15	
24						54	10	10	10	10	
25						55	10	10	10	10	
26						56	10	10	10	10	
27						57	5	5	10	5	
28						58	10	5	5	5	
29						59	5	5	5	5	

Last Certification Date Oct. 2009

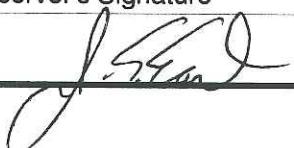
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3-25-10
OBSERVER:	J. Earl
START:	10:53 am pm
FINISH:	11:07 am pm
Source:	C BF Bleeders
Observation Point	Gate 3 Parking Lot
distance from:	500'
direction from:	SE
source height:	250'
wind direction	NE
wind speed	
sky condition	Cloudy/Rain
amb. temp. (F)	46
color of emissions	Gray
other;	
Remarks;	Bleeders opened at 10:53 AM
Observer's Signature	

11:00						11:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	0		30					
1	5	0	5	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
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20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date Oct 2009

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/19/10
OBSERVER:	J. Earl
START:	11:32 am pm
FINISH:	11:47 am pm
Source:	CBF Bleeders
Observation Point	
distance from:	500' 500'
direction from:	SE
source height:	250'
wind direction	SW
wind speed	10-15
sky condition	M. Clear
amb. temp. (F)	54
color of emissions	Gray / black
other;	Bleeders opened at 11:31 AM Bleeder closed at 11:34 AM
Remarks;	Popped open North Bleeder to seal at 11:41A
Observer's Signature	

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2					11!	32	0	0	0	0	
3						33	0	0	5	0	
4						34	50	35	15	0	Black
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	40	10	0	0	Black
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date Oct 2009

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/1/08
OBSERVER: P. Blasberg
START: 7:30 am pm
FINISH: 7:51 am pm
Source:
BLAST FURNACE BLEEDERS
Observation Point
DIST. AREA OFF OF 1200ft "B"
distance from: 700'
direction from: SSW
source height:
200'-250'
wind direction N
wind speed 5-10 MPH
sky condition SKY STUCK
amb. temp. (F) 30°-35°
color of emissions
UNSPECIFIED UNLESS NOTED
other:
Remarks;

Observer's Signature

7:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38	○	○	○	○	
9						39	○	○	○	○	
10						40	○	○	○	○	
11						41	○	○	○	○	
12						42	○	○	○	○	
13						43	○	○	○	○	
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2-25-10
OBSERVER: J. Earl
START: am 5:16 (pm)
FINISH: am 5:22 (pm)
Source: CBF Bleeders
Observation Point Row - West Boat Ship Road
distance from: 800'
direction from: W
source height: 250'
wind direction NW
wind speed 10-15
sky condition cloudy
amb. temp. (F) 25
color of emissions Grey
other: Charging conveyor problems
Remarks: Bleeders opened at 5:16 AM Bleeders closed at 5:22 PM
Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16	0	25	20	10		46					
17	10	10	10	10		47					
18	5	5	5	5		48					
19	5	5	5	5		49					
20	5	5	5	5		50					
21	5	5	5	5		51					
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24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

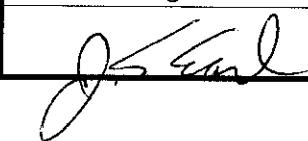
Last Certification Date Oct 2009

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2-25-06
OBSERVER:	J. Earl
START:	11:28 am
FINISH:	11:39 am
Source:	CBF Bleeders
Observation Point	West Boat Slip Road near ADF BH
distance from:	1000'
direction from:	SW
source height:	250
wind direction	NW
wind speed	13-15
sky condition	pt. sunny
amb. temp. (F)	26°
color of emissions	Gray/White
other:	Change # 2.
	Tuyere
Remarks:	Bleeders opened at 11:28 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	20	
3						33	20	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28	S	S	S	S		58					
29	5	5	5	5		59					

Observer's Signature



Last Certification Date Oct 2009

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2 - 20 - 2010											
OBSERVER:												
START:	am 12:00pm											
FINISH:	am 12:25pm											
Source:	"C" Furnace Bleedas											
Observation Point	Parking lot Miller Rd.											
distance from:	500 ft											
direction from:	SE											
source height:	250 ft											
wind direction	0 - 1 mph											
wind speed	NW											
sky condition	clear											
amb. temp. (F)	33 °F											
color of emissions	white											
other;	Bleeder open C 12:00 pm.											
Remarks;												
Observer's Signature												

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	30	20	5	5		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	5		34					
5	30	30	30	25		35					
6	20	20	20	20		36					
7	20	15	15	15		37					
8	10	10	10	10		38					
9	5	5	0	0		39					
10	6	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date

10/2010

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/5/10
OBSERVER: R. BINGHAM
START: 9:47 am pm
FINISH: 9:58 am pm
Source:
BLAST FURNACE & BLASTED IRON
Observation Point
WEST SIDE OF BOAT SLIP
distance from: 1000'
direction from: W
source height:
200'
wind direction NW
wind speed 5-10 MPH
sky condition OVERCAST
amb. temp. (F) 20°-25°
color of emissions
WHITE UNLESS NOTED
other:
Remarks;
<u>A</u> DARK GREY IN COLOR
Observer's Signature

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47	0	40	20	0	A
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58					
29						59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/02/10	
OBSERVER:	R. BISHOP	
START:	10:08 am	pm
FINISH:	10:18 (am)	pm
Source:		
BLAST FURNACE C		
BLUGGERS		
Observation Point		
WEST SIDE OF BOAT SLIP		
distance from:	1000'	
direction from:	SLS	
source height:	200'	
wind direction	NNW	
wind speed	20-25 MPH	
sky condition	SCATTERED	
amb. temp. (F)	10° - 15°	
color of emissions	UNIF. UNLESS NO FAB	
other;		
Remarks:		
Observer's Signature		

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8	○	○	○	○		38					
9	○	○	○	○		39					
10	○	○	○	○		40					
11	○	○	○	○		41					
12	○	○	○	○		42					
13	○	○	○	○		43					
14	○	○	○	○		44					
15	○	○	○	○		45					
16	○	○	○	○		46					
17	○	○	○	○		47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature

R. B. J.

Last Certification Date

10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/31/10
OBSERVER: R. BINGHAM
START: am 1:32 (pm)
FINISH: am 2:51 (pm)
Source:
BLAST FURNACE C
NORIN CAST HOUSE
Observation Point
WEST SIDE OF BOAT SLIP
distance from: 800'
direction from: WSW
source height:
75' - 100'
wind direction S
wind speed 10-15 MPH
sky condition SCATTERED
amb. temp. (F) 60°-65°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 1:40
PLUGGED AT 2:46
Remarks:
<input checked="" type="checkbox"/> RUSTY BROWN COLOR
Observer's Signature

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32	○	○	○	○	
3						33	○	○	○	○	
4						34	○	○	○	○	
5						35	○	○	○	○	
6						36	○	○	○	○	
7						37	○	○	○	○	
8						38	○	○	○	○	
9						39	○	○	○	20	<input checked="" type="checkbox"/>
10						40	30	25	20	25	<input checked="" type="checkbox"/>
11						41	20	15	10	10	<input checked="" type="checkbox"/>
12						42	15	15	15	15	<input checked="" type="checkbox"/>
13						43	15	20	20	15	<input checked="" type="checkbox"/>
14						44	5	0	0	0	<input checked="" type="checkbox"/>
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	



Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/31/10
OBSERVER: R. BINGHAM
START: am 1:32 (pm)
FINISH: am 2:51 (pm)
Source:
Blast Furnace C
NORTH CAST HOUSE
Observation Point
WEST SIDE OF BOAT SLIP
distance from: 800'
direction from: WSW
source height:
75'-100'
wind direction S
wind speed 10-15 MPH
sky condition
amb. temp. (F) 60°-65°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 1:40
PLUGGED AT 2:46
Remarks:
▲ RUSTY BROWN COLOR
Observer's Signature

2:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	0	0	0	
1	0	0	0	0		31	5	5	5	5	
2	0	0	0	0		32	5	0	0	0	
3	0	0	0	0		33	5	0	5	5	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	5	
6	0	0	0	0		36	5	0	0	5	
7	0	0	0	0		37	5	0	0	0	
8	0	0	0	0		38	0	5	0	0	
9	0	0	0	0		39	0	0	0	5	
10	0	0	0	0		40	5	5	0	0	
11	0	0	0	0		41	0	0	5	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	5	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	5	5	5	▲
16	0	0	0	0		46	10	15	25	20	▲
17	0	0	0	0		47	15	5	0	0	▲
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	5	5	5	5		55					
26	5	5	5	5		56					
27	0	5	0	0		57					
28	5	0	0	5		58					
29	5	5	5	5		59					

R. B. B.

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/23/07
OBSERVER:	R. BURGESS
START:	9:40 am pm
FINISH:	11:21 am pm
Source:	BLAST FURNACE C NORTHERN CAST HOUSE
Observation Point	PHYSICAL FITNESS PARKING LOT
distance from:	700'
direction from:	NE
source height:	75'-100'
wind direction	NNW
wind speed	5-10 mph
sky condition	overcast
amb. temp. (F)	40°-45°
color of emissions	white unless noted
other:	PLUGGED AT 9:50 PLUGGED AT 11:15
Remarks;	
Observer's Signature	R. Burgess

7:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
11						41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
12						42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
13						43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
14						44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
15						45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
16						46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
17						47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
18						48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
19						49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
20						50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
21						51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
22						52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
23						53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
24						54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
25						55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
26						56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
27						57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
28						58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
29						59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/23/10
OBSERVER: R. Bingham
START: 7:40 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
FINISH: 11:21 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
Source:
Blast Furnace C
NORTH CAST HOUSE
Observation Point
PHYSICAL FITNESS PARKING LOT
distance from: 700'
direction from: NE
source height:
75'-100'
wind direction NNE
wind speed 5-10 MPH
sky condition OVERCAST
amb. temp. (F) 40°-45°
color of emissions
CLOUDY UNLESS NOTED
other:
DRILLED AT 7:50
PLUGGED AT 11:15
Remarks;
Observer's Signature

P:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		32	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		33	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		34	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		36	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		37	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		38	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		39	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		41	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		42	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		43	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		46	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		48	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
19	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		49	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
21	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		51	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		52	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
23	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
24	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		54	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
26	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6	56	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		57	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
28	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		58	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
29	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/23/10
OBSERVER:	R. BINCIVOM
START:	9:40 am pm
FINISH:	11:21 am pm
Source:	BLAST FURNACE C
	NORTH CAST HOUSE
Observation Point	
PHYSICAL FITNESS PARKING	Lot
distance from:	700'
direction from:	NE
source height:	75'-100'
wind direction	NNW
wind speed	5-10 MPH
sky condition	OVERCAST
amb. temp. (F)	35°-40°
color of emissions	
UNITS UNLESS NOTED	
other:	
DRILLED AT	9:50
PLUNGED AT	11:15'
Remarks:	
Observer's Signature	

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	5	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	5	10	0	0		35					
6	0	0	0	5		36					
7	0	0	0	0		37					
8	0	0	0	10		38					
9	10	10	10	5		39					
10	0	0	5	0		40					
11	10	5	0	5		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/16/10
OBSERVER: R. BINGHAM
START: am 1:05 (pm)
FINISH: am 2:05 (pm)
Source:
BLAST FURNACE C
EAST CAST HOUSE
Observation Point
DIREC AREA OFF OF ROAD "B"
distance from: 600'
direction from: S
source height
75'-100'
wind direction NNE
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 55°-60°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 1:20
PLUGGED AT 2:50
Remarks:
<input checked="" type="checkbox"/> BROWN COLOR - FROM GROUND
Observer's Signature
<i>R. B. J.</i>

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	○	○	○	○	
1						31	○	○	○	○	
2						32	○	○	○	○	
3						33	○	○	○	○	
4						34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	20	15	5	0	<input checked="" type="checkbox"/>
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	
25	○	○	○	○		55	○	○	○	○	
26	○	○	○	○		56	○	○	○	○	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	
29	○	○	○	○		59	○	○	○	○	

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/16/10
OBSERVER: R. BINGHAM
START: am 1:05 (pm)
FINISH: am 2:55 (pm)
Source:
BLAST FURNACE C
CASE CAST HOUSE
Observation Point
DIST AREA OFF OF ROAD "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction ENE
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 55°-60°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 1:20
PLUGGED AT 2:50
Remarks:
<input checked="" type="checkbox"/> BROWN COLOR - FROM GROUND
Observer's Signature

2:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	5	5	
1	0	0	0	0		31	0	0	5	0	
2	0	0	0	0		32	5	5	5	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	5	5	
12	0	0	0	0		42	5	5	5	5	
13	0	0	0	0		43	0	0	5	0	
14	0	0	0	0		44	5	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	5	
20	0	0	0	0		50	5	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/8/10
OBSERVER: R. BINGHAM
START: am 1:36 (pm)
FINISH: am pm
Source:
PLATE FURNACE C
EAST CAST HOUSE
Observation Point
DIRE AREA OFF OF ROAD "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction SW
wind speed 5-10 MPH
sky condition CLR
amb. temp. (F) 50°-55°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 1:41
PLUGGED AT 2:35
Remarks:
<input checked="" type="checkbox"/> YELLOW COLOR FROM GROUND
Observer's Signature
R. B. B.

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
7						37	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
8						38	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
9						39	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
10						40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
11						41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
12						42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
13						43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
14						44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
15						45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
16						46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
17						47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
18						48	<input type="radio"/>	10	5	<input type="radio"/>	<input checked="" type="checkbox"/>
19						49	<input type="radio"/>	<input type="radio"/>	15	10	<input checked="" type="checkbox"/>
20						50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
21						51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
22						52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
23						53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
24						54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
25						55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
26						56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
27						57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
28						58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
29						59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/8/10
OBSERVER:	R. BURGESS
START:	am 1:36 <input checked="" type="radio"/>
FINISH:	am 2:41 <input checked="" type="radio"/>
Source:	BLAST FURNACE C
	CASE CAST HOUSE
Observation Point	
	DIRT AREA OFF OF ROAD "B"
distance from:	600'
direction from:	S
source height:	75'-100'
wind direction	WSW
wind speed	5-10 MPH
sky condition	CLEAR
amb. temp. (F)	50°-55°
color of emissions	WHITE UNLESS NOTED
other:	DRILLED AT 1:41 PLUGGED AT 2:35
Remarks:	<input checked="" type="checkbox"/> 1 YELLOW COLOR/FROM GROUND <input checked="" type="checkbox"/> 2 RUSTY COLOR
Observer's Signature	R. Burgess

2:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	5	<input checked="" type="checkbox"/> 1
4	0	0	0	0		34	10	15	40	60	<input checked="" type="checkbox"/> 2
5	0	0	0	0		35	50	20	15	10	<input checked="" type="checkbox"/> 2
6	0	0	0	0		36	5	5	0	0	<input checked="" type="checkbox"/> 2
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/1/10
OBSERVER: R. BINGHAM
START: am 12:33 (pm)
FINISH: am 2:55 (pm)
Source:
BLAST FURNACE C
CASE CASE HOUSE
Observation Point
Dirt area off of road "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction N
wind speed 5-10 MPH
sky condition SCATTERED
amb. temp. (F) 35° - 40°
color of emissions:
WHITE UNLESS NOTED
other:
DRILLED AT 12:37
PLUNGED AT 2:48
Remarks:
<input checked="" type="checkbox"/> 1 YELLOW/BROWN FROM GROUND
<input checked="" type="checkbox"/> 2 BROWN IN COLOR
<input checked="" type="checkbox"/> 3 RUSTY COLOR
Observer's Signature
P. B. J.

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33	○	○	○	○	
4						34	○	○	○	○	
5						35	○	○	○	○	
6						36	○	○	○	○	
7						37	○	○	○	○	
8						38	○	○	○	○	
9						39	○	○	○	○	
10						40	○	○	○	○	
11						41	○	○	○	○	
12						42	○	○	○	20	A
13						43	10	○	○	○	A
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/11/10
OBSERVER:	R.BINGHAM
START:	am 12:33 (pm)
FINISH:	am 2:55 (pm)
Source:	BLAST FURNACE C EAST CAST HOUSE Observation Point DIRT AREA OFF OF ROAD "B"
distance from:	600'
direction from:	S
source height:	75'-100'
wind direction	N
wind speed	5-10 mph
sky condition	SCATTERED
amb. temp. (F)	35°-40°
color of emissions	WHITE UNLESS NOTED
other:	DRILLED AT 12:39 PLUGGED AT 2:48
Remarks:	(1) YELLOW/BROWN FROM GROUND (2) BROWN IN COLOR (3) RUSTY COLOR
Observer's Signature	<i>R.Bing</i>

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	5	10	10	1/2	41	0	0	0	0	
12	5	0	0	0	1/2	42	0	0	0	0	
13	0	0	5	5	1/2	43	0	5	5	10	
14	0	0	0	0		44	10	5	5	5	
15	0	0	0	0		45	5	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	5	5	5	
19	5	5	5	5	1/2	49	0	0	0	0	
20	5	5	5	0	1/2	50	0	5	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	10	10	10	5	1/2
25	0	0	0	0		55	5	5	0	5	
26	0	0	0	0		56	0	5	5	5	
27	0	0	0	0		57	10	5	10	5	1/2
28	0	0	0	0		58	5	5	5	5	
29	0	0	0	0		59	0	0	0	5	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/11/09
OBSERVER: R. BINGHAM
START: am 12:33 <input checked="" type="checkbox"/>
FINISH: am 2:55 <input checked="" type="checkbox"/>
Source:
BLAST FURNACE C
East Cast House
Observation Point
Dirt area off of road "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction WNW
wind speed 0-5 mph
sky condition SCATTERED
amb. temp. (F) 40°-45°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 12:39
PLUGGED AT 2:48
Remarks:
<input checked="" type="checkbox"/> 1 Yellow/Brown From Ground
<input checked="" type="checkbox"/> 2 Brown in Color
<input checked="" type="checkbox"/> 3 Rusty Color
Observer's Signature

2:00															
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS				
0	0	0	0	5		30	0	5	5	5					
1	0	5	0	0		31	0	0	0	0					
2	0	20	25	20	<input checked="" type="checkbox"/>	32	0	0	0	0					
3	20	20	15	0	<input checked="" type="checkbox"/>	33	0	0	0	0					
4	10	5	10	5	<input checked="" type="checkbox"/>	34	0	5	5	0					
5	0	0	0	10	<input checked="" type="checkbox"/>	35	5	0	5	5					
6	5	0	0	0	<input checked="" type="checkbox"/>	36	5	5	5	5					
7	0	0	0	0		37	5	5	0	0					
8	0	0	0	0		38	0	0	0	0					
9	0	0	5	5		39	0	0	5	0					
10	5	5	5	5		40	0	0	0	0					
11	0	5	0	0		41	0	5	5	0					
12	5	5	5	5		42	0	0	5	0					
13	5	5	5	5		43	0	0	0	0					
14	5	5	5	5		44	0	5	0	0					
15	0	0	5	0		45	5	5	0	5					
16	5	5	5	0		46	0	5	5	5					
17	5	0	0	5		47	5	0	5	70	<input checked="" type="checkbox"/>				
18	5	5	5	5		48	60	40	30	20	<input checked="" type="checkbox"/>				
19	5	0	0	5		49	15	10	10	10	<input checked="" type="checkbox"/>				
20	5	5	5	0		50	10	5	0	0	<input checked="" type="checkbox"/>				
21	0	5	5	5	<input checked="" type="checkbox"/>	51	0	0	0	0					
22	5	5	10	10	<input checked="" type="checkbox"/>	52	0	0	0	0					
23	10	10	10	5	<input checked="" type="checkbox"/>	53	0	0	0	0					
24	0	5	5	5	<input checked="" type="checkbox"/>	54	0	0	0	0					
25	0	0	0	5		55									
26	0	5	5	0		56									
27	5	0	5	5		57									
28	5	5	5	5		58									
29	5	5	0	0		59									

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/24/10
OBSERVER:	R. BINGHAM
START:	am 12:45 <input checked="" type="radio"/>
FINISH:	am 2:00 <input checked="" type="radio"/>
Source:	BLAST FURNACE C CAST CAST NOUSA
Observation Point	DIRT AREA OFF OF ROAD "B"
distance from:	600'
direction from:	S
source height:	75'-100'
wind direction	N
wind speed	0-5 MPH
sky condition	OVERCAST/SNOW
amb. temp. (F)	30°-35°
color of emissions	WHITE UNLESS NOTED
other:	DRILLED AT 12:47 PLUGGED AT 1:53
Remarks:	
Observer's Signature	R. B. J.

12:45											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/24/09
OBSERVER: R. BINGHAM
START: am 12:45 <input checked="" type="checkbox"/>
FINISH: am 2:00 <input checked="" type="checkbox"/>
Source:
BLAST FURNACE C
EAST CAST HOUSE
Observation Point
DIRT AREA OFF OF ROAD "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction ESE
wind speed 0 - 5 MPH
sky condition overcast ($S_{NO,2}$)
amb. temp. (F) 30° - 35°
color of emissions
WHITE UNLESS NOTED
other:
PLUGGED AT 12:47
PLUGGED AT 1:53
Remarks:
<input checked="" type="checkbox"/> 1 RUSTY COLOR
<input checked="" type="checkbox"/> 2 BROWN IN COLOR
Observer's Signature
R. BINGHAM

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	5	A
22	0	0	0	0		52	5	10	10	5	A
23	0	0	0	0		53	10	5	5	15	A
24	0	0	0	0		54	5	5	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	20	0	A
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/15/10
OBSERVER:	R. BINGHAM
START:	11:31 am
FINISH:	am 1:08 pm
Source:	BLAST FURNACE C NORTH CAST HOUSE ² Observation Point PHYSICAL FITNESS PARKING LOT
distance from:	700'
direction from:	NE
source height:	75'-100'
wind direction	NE
wind speed	5-10 mph
sky condition	overcast
amb. temp. (F)	25°-30°
color of emissions	white unless noted
other:	DRILLED AT 11:38 PLUGGED AT 1:02
Remarks:	△ RUST COLOR
Observer's Signature	P. BINGHAM

11:30							11:30						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0						30							
1						31	0	0	0	0			
2						32	0	0	0	0			
3						33	0	0	0	0			
4						34	0	0	0	0			
5						35	0	0	0	0			
6						36	0	0	0	0			
7						37	0	0	0	10			
8						38	10	10	5	0	△		
9						39	0	0	0	0			
10						40	0	0	0	0			
11						41	0	0	0	0			
12						42	0	0	0	0			
13						43	0	0	0	0			
14						44	0	0	0	0			
15						45	0	0	0	0			
16						46	0	0	0	0			
17						47	0	0	0	0			
18						48	0	0	0	0			
19						49	0	0	0	0			
20						50	0	0	0	0			
21						51	0	0	0	0			
22						52	0	0	0	0			
23						53	0	0	0	0			
24						54	0	0	0	0			
25						55	0	0	0	0			
26						56	0	0	0	0			
27						57	0	0	0	0			
28						58	0	0	0	0			
29						59	0	0	0	0			

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/15/10
OBSERVER:	R.BINGHAM
START:	11:31 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH:	am 1:08 <input checked="" type="radio"/> pm
Source:	BLAST FURNACE C NORTH EAST HOUSE Observation Point PHYSICAL FITNESS PARKING LOT
distance from:	200'
direction from:	NE
source height:	75'-100'
wind direction	CALM
wind speed	Calm
sky condition	overcast
amb. temp. (F)	25°-30°
color of emissions	white unless noted
other:	DRILLED AT 11:38 PLUGGED AT 1:02
Remarks:	AIR USE COLOR
Observer's Signature	R.Bing

12:00						12:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	10	10	
4	0	0	0	0		34	5	5	5	10	
5	0	0	0	0		35	5	5	0	5	
6	0	0	0	0		36	5	10	10	5	
7	0	0	0	0		37	10	10	10	5	
8	0	0	0	0		38	10	5	5	5	
9	0	0	0	0		39	10	10	10	5	
10	0	0	0	0		40	5	5	0	0	
11	0	0	0	0		41	5	5	10	10	
12	0	0	0	0		42	5	5	5	5	
13	0	0	0	0		43	5	0	5	5	
14	0	0	0	0		44	0	5	5	10	A
15	0	0	0	0		45	5	10	10	10	A
16	0	0	0	0		46	10	5	10	10	A
17	0	0	0	0		47	10	5	5	0	A
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	5	
20	0	0	0	0		50	5	5	10	5	
21	0	0	0	0		51	5	5	5	10	
22	0	0	0	0		52	15	10	15	10	
23	0	0	0	0		53	15	5	5	5	
24	0	0	0	0		54	10	15	15	10	
25	0	0	0	0		55	10	10	15	15	
26	0	0	0	0		56	15	10	10	10	
27	0	0	0	0		57	15	15	15	10	
28	0	0	0	0		58	10	15	15	15	
29	0	0	0	0		59	20	15	20	20	A

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/15/10
OBSERVER:	R. BINGHAM
START:	11:31 am
FINISH:	am 1:08 <input checked="" type="checkbox"/>
Source:	BLAST FURNACE C
	NOSEH CAST HOUSE
Observation Point	PHYSICAL FITNESS PARKING LOT
distance from:	200'
direction from:	NE
source height:	75'-100'
wind direction	C
wind speed	0-5 MPH
sky condition	overcast
amb. temp. (F)	30°-35°
color of emissions	yellow unless noted
other:	DRILLED AT 11:30 PLUGGED AT 1:02
Remarks:	 1 RUSTY COLOR 2 BROWN IN COLOR
Observer's Signature	P.B.J.

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	25	20	30	40	1	30					
1	50	60	60	50	2	31					
2	30	20	15	10	A	32					
3	10	5	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date

10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/8/10
OBSERVER:	R. BINGHAM
START:	11:47 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
FINISH:	am/ <input checked="" type="checkbox"/> pm
Source:	BLAST FURNACE C CAST CAST HOUSE
Observation Point	GROVEL AREA OFF OF ROAD "B"
distance from:	600'
direction from:	S
source height:	75'-100'
wind direction	CALM
wind speed	CALM
sky condition	SCATTERED
amb. temp. (F)	25°-30°
color of emissions	WHITE UNLESS NOTED
other:	DRILLED AT 11:58 PLUGGED AT 1:45
Remarks:	
Observer's Signature	<i>R. B. B.</i>

11:00						11:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
18						48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
19						49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
20						50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
21						51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
22						52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
23						53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
24						54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
25						55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
26						56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
27						57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
28						58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
29						59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/8/10
OBSERVER: R. BINGHAM
START: 11:47 am pm
FINISH: 1:51 am +45 pm
Source:
BLAST FURNACE C
EAST COAST HOUSE
Observation Point
GRAVEL AREA OFF OF 12000' "13"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction CALM
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 11:58
PLUGGED AT 1:45
Remarks:
Observer's Signature

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30	○	○	○	○	
1	○	○	○	○		31	○	○	○	○	
2	○	○	○	○		32	○	○	○	○	
3	○	○	○	○		33	○	○	○	○	
4	○	○	○	6		34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	
25	○	○	○	○		55	○	○	○	○	
26	○	○	○	○		56	○	○	○	○	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	
29	○	○	○	○		59	○	○	○	○	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/8/10
OBSERVER: R. Bingham
START: 1:47 am pm
FINISH: am 1:51 pm
Source:
BLAST FURNACE C
EAST EAST NOSE
Observation Point
TRAVELING OFF OF ROAD "B"
distance from: 600'
direction from: S
source height:
75'-100'
wind direction N
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 30°-35°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 11:58
PLUGGED AT 1:45
Remarks:
△ RUSTY/RED IN COLOR
Observer's Signature
R. B. B.

1:50						1:51					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	5	
2	0	0	0	0		32	5	0	0	0	
3	0	0	0	0		33	5	0	0	0	
4	0	0	0	0		34	0	0	0	5	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	5	0	
8	0	5	5	5	△	38	5	0	0	0	
9	5	10	5	10	△	39	0	0	0	0	
10	5	5	5	5	△	40	0	5	5	0	
11	5	0	0	0	△	41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/1/10
OBSERVER:	R. Binguam
START:	11:44 (am) pm
FINISH:	12:48 am (pm)
Source:	BLAST FURNACE C CAST CAST HOUSE Observation Point GRAVEL AREA OFF OF ROAD "B"
distance from:	700'
direction from:	S
source height:	75'-100'
wind direction	SW
wind speed	5-10 mph
sky condition	BROKEN
amb. temp. (F)	20°-25°
color of emissions	white unless noted
other:	DRILLED AT 11:48 PLUGGED AT 12:41
Remarks;	
Observer's Signature	P.B.J.

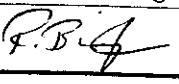
11:00						11:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44	0	6	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/1/10
OBSERVER: R. BINGHAM
START: 11:44 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
FINISH: 12:48 am <input type="checkbox"/> pm
Source:
BLAST FURNACE C
GAS CAST HOUSE
Observation Point
GRAVEL AREA OFF OF ROAD "B"
distance from: 700'
direction from: S
source height:
75'-100'
wind direction SSE
wind speed 0-5 mph
sky condition BROKEN
amb. temp. (F) 25° - 30°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 11:48
PLUGGED AT 12:41
Remarks;
<input checked="" type="checkbox"/> A RUSTY COLOR
<input checked="" type="checkbox"/> B EMISSIONS FROM HOPPER
Observer's Signature

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	5	5	5	
1	0	0	0	0		31	0	5	5	5	
2	0	0	0	0		32	5	0	0	5	
3	0	0	0	0		33	0	0	0	5	
4	0	0	0	0		34	5	5	5	0	
5	0	0	0	0		35	0	5	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	5	0	
9	0	0	0	0		39	0	0	5	5	
10	0	0	0	0		40	0	5	5	5	
11	0	0	0	0		41	5	5	10	10	A
12	0	0	0	0		42	10	5	0	0	A
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	10	A
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	5	5	0	0	A	53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	5	5	0		59					

R.B. 

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/26/10
OBSERVER:	R. BINGHAM
START:	am 1:20 (pm)
FINISH:	am 3:11 (pm)
Source:	Blast Furnace C Cast Cast House Observation Point Dirt area off of road "B"
distance from:	500'
direction from:	S
source height:	75'-100'
wind direction	WSW
wind speed	15-20 mph
sky condition	overcast/snow
amb. temp. (F)	25°-30°
color of emissions	white unless noted
other:	DRILLED AT 1:28 PLUGGED AT 3:06
Remarks:	<input checked="" type="checkbox"/> RUSTY COLOR
Observer's Signature	R. B.

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	5	5	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	30	50	A	58	0	0	0	0	
29	25	15	10	5	A	59	0	0	0	0	

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/26/09
OBSERVER: R. BINGHAM
START: am 1:20 pm
FINISH: am 3:11 pm
Source:
BLAST FURNACE C
Cast Cast House
Observation Point
Direct area off of 12000 "B"
distance from: 500'
direction from: S
source height:
75' - 100'
wind direction WSW
wind speed 5-10 MPH
sky condition overcast
amb. temp. (F) 25° - 30°
color of emissions
CLOUDY UNLESS NOTED
other:
DRILLED AT 1:29
PLUGGED AT 3:06
Remarks:
(1) RUSTY COLOR
(2) GREY IN COLOR
Observer's Signature

2:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	10	10	5	(2)
1	0	0	0	0		31	0	5	10	5	
2	0	0	0	0		32	10	40	30	20	(2)
3	0	0	0	0		33	15	15	10	10	(2)
4	0	0	0	5		34	10	5	5	5	(2)
5	0	0	0	0		35	5	5	5	5	
6	0	0	0	0		36	10	10	5	5	
7	0	0	0	0		37	10	5	5	5	(2)
8	0	0	0	0		38	5	0	5	5	
9	0	0	0	0		39	10	5	10	10	
10	0	0	0	0		40	10	10	5	5	
11	0	0	0	0		41	10	10	10	5	
12	0	0	0	0		42	10	10	10	10	
13	0	0	5	0		43	10	15	15	10	(1)
14	0	0	0	0		44	10	10	10	15	
15	0	0	0	0		45	15	10	10	5	
16	0	0	0	0		46	10	5	10	5	
17	0	0	0	0		47	0	10	10	5	(1)
18	0	5	10	5	(1)	48	0	0	5	5	
19	5	0	0	5		49	5	10	10	10	
20	0	5	0	5		50	10	5	10	10	
21	0	0	5	0		51	10	5	5	5	
22	0	0	0	0		52	0	5	10	10	
23	0	0	0	0		53	10	10	5	10	
24	0	0	5	0		54	10	10	10	0	
25	0	0	0	0		55	5	10	10	10	
26	0	0	0	5		56	10	10	5	5	
27	0	0	5	10	(2)	57	10	5	5	10	
28	20	20	40	40	(2)	58	10	5	5	0	
29	30	30	20	10	(2)	59	5	5	5	5	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/26/10
OBSERVER:	R. BURGESS
START:	am 1:20 PM
FINISH:	am 3:11 PM
Source:	BLAST FURNACE C CAST CAST HOUSE
Observation Point	DIRT AREA OFF OF ROAD "B"
distance from:	500'
direction from:	S
source height:	75'-100'
wind direction	W
wind speed	5-10 MPH
sky condition	OVERCAST
amb. temp. (F)	25°-30°
color of emissions	WHITE UNLESS NOTED
other:	DRILLED AT 1:28 PLUGGED AT 3:06
Remarks:	(1) RUSTY COLOR (2) GREY IN COLOR
Observer's Signature	R. Burgess

3:00							3:00						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0	10	10	10	5		30							
1	5	5	5	10		31							
2	5	5	5	5		32							
3	0	5	5	10		33							
4	10	10	15	15	A	34							
5	20	10	5	5	A	35							
6	5	5	0	0		36							
7	0	0	5	0		37							
8	0	0	0	0		38							
9	0	0	0	0		39							
10	0	0	0	0		40							
11						41							
12						42							
13						43							
14						44							
15						45							
16						46							
17						47							
18						48							
19						49							
20						50							
21						51							
22						52							
23						53							
24						54							
25						55							
26						56							
27						57							
28						58							
29						59							

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/18/09											
OBSERVER: R. Bingham											
START: 11:43 am pm											
FINISH: am 1:00 pm											
Source:											
BLAST FURNACE C											
CAST CAST House											
Observation Point											
Dirt area off of Road "B"											
distance from: 500'											
direction from: S											
source height:											
75' - 100'											
wind direction W											
wind speed 0 - 5 mph											
sky condition OVG & cast											
amb. temp. (F) 30° - 35°											
color of emissions											
white unless noted											
other:											
DRILLED at 11:50											
PLUGGED at 12:55											
Remarks;											
Observer's Signature											

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43	○	○	○	○	
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/18/10
OBSERVER:	R. BINGHAM
START:	11:43 am pm
FINISH:	am 1:00 pm
Source:	Blast Furnace C East Cast House
Observation Point	Direct area off of road "B"
distance from:	500'
direction from:	S
source height:	75'-100'
wind direction	WSW
wind speed	0-5 mph
sky condition	overcast
amb. temp. (F)	30°-35°
color of emissions	white unless noted
other:	DRILLED at 11:50 PLUGGED at 12:55
Remarks:	<input checked="" type="checkbox"/> RUSTY COLOR
Observer's Signature	R. B. J.

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	5	5	10	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	5	5	5	
11	0	0	0	0		41	5	5	5	5	
12	0	0	0	0		42	0	5	0	5	
13	0	0	0	0		43	5	5	5	5	
14	0	0	0	0		44	5	5	5	5	
15	0	0	0	0		45	5	5	5	5	
16	0	0	0	0		46	5	5	5	5	
17	0	0	0	0		47	10	5	10	10	
18	0	0	0	0		48	10	10	5	10	
19	0	0	0	0		49	10	10	5	5	
20	0	0	0	0		50	10	10	10	5	
21	0	0	0	0		51	10	10	15	10	
22	0	0	0	0		52	15	15	10	10	
23	0	0	0	0		53	10	15	20	25	
24	0	0	0	0		54	20	20	40	30	<input checked="" type="checkbox"/>
25	0	0	0	0		55	20	10	10	10	<input checked="" type="checkbox"/>
26	0	0	0	0		56	10	10	5	5	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/14/10	
OBSERVER: R. BINGHAM	
START: 11:57 am pm	
FINISH: am 1:50 pm	
Source:	
BLAST FURNACE C	
NORTH CAST HOUSE	
Observation Point	
WEST SIDE OF 1300' SLIP	
distance from: 900'	
direction from: W	
source height:	
75'-100'	
wind direction SSW	
wind speed 5-10 MPH	
sky condition SCATTERED	
amb. temp. (F) 35° - 40°	
color of emissions	
WHITE UNLESS NOTED	
other:	
DEBILLED AT 12:00	
PLUGGED AT 1:43	
Remarks:	
Observer's Signature	

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

R. BINGHAM

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/14/10
OBSERVER: R. BINGHAM
START: 11:57 am pm
FINISH: am 1:56 pm
Source:
Blast Furnace C
NOKIN CAST HOUSE
Observation Point
WEST SIDE OF BOAT SLIP
distance from: 900'
direction from: W
source height:
75'-100'
wind direction SSW
wind speed 5-10 MPH
sky condition SCATTERED
amb. temp. (F) 35°-40°
color of emissions
WHITE UNLESS NOTED
other:
DRILED at 12:00
PLUGGED at 1:43
Remarks:
Observer's Signature

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

R. B. J.

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/14/10
OBSERVER:	R. BINGHAM
START:	1:57 am
FINISH:	pm
Source:	Blast Furnace C North East House
Observation Point	West Side of Dock Slip
distance from:	700'
direction from:	W
source height:	75'-100'
wind direction	SW
wind speed	5-10 MPH
sky condition	SCATTERED
amb. temp. (F)	35°-40°
color of emissions	WHITE UNLESS NOTED
other:	DRAILED AT 12:00 PLUGGED AT 1:43
Remarks:	A DARK GRAY IN COLOR.
Observer's Signature	<i>R. BINGHAM</i>

1:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	6	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	25	15	15	A
14	0	0	0	0		44	5	0	0	0	A
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/6/10
OBSERVER:	R. BINGHAM
START:	9:00 am pm
FINISH:	11:24 am pm
Source:	BLAST FURNACE C GAS CAST HOUSE
Observation Point	DIRT ROAD OFF OF ROAD B
distance from:	600'
direction from:	S
source height:	75'-100'
wind direction	NW
wind speed	0-5 MPH
sky condition	OVERTCAST
amb. temp. (F)	25°-30°
color of emissions	WHITE UNLESS NOTED
other:	DILUTED AT 9:05 PLUGGED AT 11:18
Remarks:	△ RUSTY COLOR
Observer's Signature	<i>R. B. J.</i>

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	25	40	△	35	0	0	0	0	
6	20	10	10	5	△	36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	5	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/6/07
OBSERVER: R.BINGHAM
START: 9:00 am pm
FINISH: 11:24 am pm
Source:
BLAST FURNACE C
EAST CAST House
Observation Point
DIST AREA OFF OF 12000 B
distance from: 600'
direction from: S
source height:
75'-100'
wind direction WNW
wind speed 0-5 MPH
sky condition OVERCAST
amb. temp. (F) 25°-30°
color of emissions
CLOUDY UNLESS NOTED
other:
DRILLED AT 9:05
PLUGGED AT 11:18
Remarks:
<input checked="" type="checkbox"/> Rusty color
Observer's Signature

10:00						10:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	5	5	5	
1	0	0	0	0		31	5	5	5	5	
2	0	0	0	0		32	5	0	5	5	
3	0	0	0	0		33	5	5	5	5	
4	0	0	0	0		34	10	5	10	10	
5	0	0	0	0		35	5	5	10	5	
6	0	0	0	0		36	15	10	10	10	
7	0	0	0	0		37	5	10	5	10	
8	0	0	0	0		38	10	10	10	10	
9	0	0	0	0		39	10	10	10	10	
10	0	0	0	0		40	10	10	10	5	
11	0	0	0	0		41	5	5	10	10	
12	0	0	0	0		42	10	5	10	10	
13	0	0	0	0		43	10	10	10	10	
14	0	0	0	0		44	10	10	10	10	
15	0	0	0	0		45	10	5	5	10	
16	0	0	0	0		46	10	5	5	10	
17	0	0	0	0		47	10	5	5	5	
18	0	0	0	0		48	5	10	5	5	
19	0	0	0	0		49	5	5	10	5	
20	0	0	0	0		50	10	5	5	10	
21	0	0	0	0		51	5	10	5	5	
22	0	0	0	0		52	5	5	5	5	
23	0	0	0	0		53	5	5	10	10	
24	5	0	0	0		54	10	10	10	5	
25	0	0	5	0		55	10	10	10	10	
26	5	5	5	5		56	10	5	5	10	
27	5	5	5	10		57	10	5	5	5	
28	10	15	5	5		58	5	10	10	10	
29	10	10	10	5		59	10	10	10	5	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/6/10
OBSERVER: R. Bingham
START: 9:00 am pm
FINISH: 11:24 am pm
Source:
BLAST FURNACE C
EAST CAST HOUSE
Observation Point
DIRT AREA OFF OF ROAD B
distance from: 600'
direction from: S
source height:
75'-100'
wind direction N NW
wind speed 5-10 mph
sky condition OVERCAST
amb. temp. (F) 25° - 30°
color of emissions
WHITE UNLESS NOTED
other:
DRILLED AT 9:05
PLUGGED AT 11:18
Remarks:
△ RUSTY COLOR
Observer's Signature

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	0		30					
1	5	5	5	5		31					
2	5	5	5	5		32					
3	5	5	5	5		33					
4	5	5	5	5		34					
5	10	10	5	10		35					
6	10	5	5	10		36					
7	5	5	5	5		37					
8	5	10	5	5		38					
9	5	5	5	10		39					
10	10	10	10	10		40					
11	5	5	5	10		41					
12	5	5	10	10		42					
13	5	10	5	5		43					
14	5	5	5	5		44					
15	10	10	5	10		45					
16	10	10	10	10		46					
17	5	5	10	5		47					
18	10	10	10	10		48					
19	10	5	5	10		49					
20	5	5	5	5		50					
21	5	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/31/10
OBSERVER: R.BINGHAM
START: 7:45 (am) pm
FINISH: 11:51 (am) pm
Source:
BOF ROOF MONITORS
Observation Point
R/R MOUNT. BLDG. NEAR GATE 1
distance from: 2000'
direction from: SE
source height:
200'-250'
wind direction CALM
wind speed CALM
sky condition SCATTERED
amb. temp. (F) 45°-50°
color of emissions
WHITE UNLESS NOTED
other;
Heat Nos.
56548
56549
Remarks;
<input checked="" type="checkbox"/> STEAM STARTED
<input checked="" type="checkbox"/> STEAM ENDED
Observer's Signature

8:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
16						46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
17						47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
18						48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
19						49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
20						50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
21						51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
22						52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
23						53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
24						54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
25						55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
26						56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
27						57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
28						58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
29						59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/31/10
OBSERVER: R. BENNAM
START: 9:45 (am) pm
FINISH: 11:51 (am) pm
Source:
130F ROOF MONITORS
Observation Point
R/R MANS. BLDG. NCOR
60' x 1
distance from: 2000'
direction from: SE
source height:
200'-250'
wind direction S
wind speed 0-5 mph
sky condition SCATTERED
amb. temp. (F) 45°-50°
color of emissions
WHITE UNLESS NOTED
other,
Remarks;
1 STEAM STARTED
2 STEAM CLOUDY
3 GRAY SMOKE
4 RUSTY COLOR
Observer's Signature

10:00							10:00						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0	0	0	0	0		30	0	0	0	0			
1	0	0	0	0		31	0	0	0	0			
2	0	0	0	0		32	0	0	0	0			
3	0	0	0	0		33	0	0	0	0			
4	0	0	60	20	▲	34	0	0	0	0			
5	60	50	30	20	▲	35	0	0	0	0			
6	50	20	50	40	▲	36	0	0	0	0			
7	30	15	10	5	▲ 3	37	0	0	0	0			
8	0	5	10	5	▲ 4	38	0	0	0	0			
9	5	10	5	15	▲ 4	39	0	0	0	0			
10	20	10	15	15	▲ 4	40	0	0	0	0			
11	0	15	10	10	▲ 4	41	0	0	0	0			
12	15	20	15	10	▲ 4	42	0	0	0	0			
13	5	10	5	5	▲ 4	43	0	0	0	0			
14	10	5	10	10	▲ 4	44	0	0	0	0			
15	10	5	10	10	▲ 4	45	0	0	0	0			
16	5	5	10	5	▲ 4	46	0	0	0	0			
17	0	10	5	5	▲ 4	47	0	0	0	0			
18	5	5	5	5	▲ 4	48	0	0	0	0			
19	10	10	10	5	▲ 4	49	0	0	0	0			
20	15	10	10	5	▲ 4	50	0	0	0	0			
21	5	10	5	5	▲ 4	51	0	0	0	0			
22	0	0	0	0		52	0	0	0	0			
23	5	5	0	0	▲ 4	53	0	0	0	0			
24	0	0	0	0	▲ 2	54	0	0	0	0			
25	0	0	0	0		55	0	0	0	0			
26	0	0	0	0		56	0	0	0	0			
27	0	0	0	0		57	0	0	0	0			
28	0	0	0	0		58	0	0	0	0			
29	0	0	0	0		59	0	0	0	0			

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/31/10
OBSERVER: R. BINGHAM
START: 8:45 am pm
FINISH: 11:51 am pm
Source:
BOF ROOF MANKINS
Observation Point
R/R MAIN R. BLDG. NEGR
6AUG 1
distance from: 2000'
direction from: SE
source height:
200'-250'
wind direction 55W
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 50°-55°
color of emissions
WHITE UNLESS NOTED
other:
Remarks:
(1) STEAM SPOTTED
(2) STEAM ENDING
(3) GREY SMOKE
(4) RUSTY COLOR
Observer's Signature

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	15	10	10	0	3	31	0	0	0	0	
2	0	0	15	5	4	32	0	0	0	0	
3	0	15	10	0	4	33	0	0	0	0	
4	5	0	10	10	4	34	0	0	0	0	
5	5	10	5	5	4	35	0	0	0	0	
6	10	10	10	10	4	36	0	0	0	0	
7	15	10	5	10	4	37	0	0	0	0	
8	15	10	5	5	4	38	0	0	0	0	
9	5	5	5	5	4	39	0	0	0	0	
10	5	5	10	5	4	40	5	5	0	0	3
11	10	10	5	5	4	41	0	0	0	0	
12	5	5	5	10	4	42	0	0	0	0	
13	0	5	5	5	4	43	0	0	0	0	
14	0	10	5	5	4	44	0	0	0	0	
15	5	0	5	5	4	45	0	0	0	0	
16	0	5	5	5	4	46	0	0	0	0	
17	0	0	0	0	2	47	10	40	30	15	3
18	0	0	0	0		48	10	50	50	40	3
19	0	0	0	0		49	25	20	10	5	3
20	0	0	0	0		50	0	5	5	5	4
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/27/10
OBSERVER:	R. BINGHAM
START:	10:10 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH:	am 12:11 <input checked="" type="radio"/> pm
Source:	13 th FLOOR MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000 ft
direction from:	6
source height:	200'-250'
wind direction	N
wind speed	10-15 MPH
sky condition	overcast
amb. temp. (F)	35° - 40°
color of emissions	white unless noted
other:	Heat Nos. partial 56520 full 56521 annual 56522
Remarks:	<input checked="" type="checkbox"/> steam stream <input checked="" type="checkbox"/> steam cloud <input checked="" type="checkbox"/> rusty color <input checked="" type="checkbox"/> grey color
Observer's Signature	R. Bingham

10:00					REMARKS	10:00					REMARKS
MIN	0	15	30	45		MIN	0	15	30	45	
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	5	0	4
5						35	0	5	0	0	4
6						36	0	0	0	0	4
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10	0	0	0	0		40	0	0	0	5	4
11	0	0	0	5	3	41	10	5	5	5	4
12	0	0	0	0		42	5	5	5	5	4
13	0	0	0	0		43	5	5	5	5	4
14	15	5	5	5	3	44	5	5	5	5	4
15	0	0	0	0		45	5	5	5	5	4
16	0	0	0	5	3	46	0	0	5	0	4
17	5	0	5	10	3	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0	2	50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	5	10	5	5	4
23	0	0	0	0		53	15	40	50	30	4
24	0	0	0	0		54	25	15	10	10	4
25	0	0	0	0		55	15	5	0	0	3
26	0	0	0	0		56	0	0	10	15	3
27	0	0	0	0		57	0	0	10	0	3
28	0	0	0	0		58	5	5	0	0	3
29	0	0	0	0		59	10	15	15	0	3

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/29/08
OBSERVER:	R. BINYAM
START:	10:10 am pm
FINISH:	am 12:45 pm
Source:	130F ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-230'
wind direction	N
wind speed	10-15 MPH
sky condition	overcast
amb. temp. (F)	40°-45°
color of emissions	white unless noted
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM STARTED <input checked="" type="checkbox"/> STEAM ENDED <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> GREY COLOR
Observer's Signature	R. Binyam

11:00							11:00						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0	0	0	0	0		30	5	10	10	5	4		
1	0	5	0	5	3	31	10	10	5	5	4		
2	0	0	0	0		32	5	0	0	5	4		
3	0	0	0	5	3	33	0	5	0	0	4		
4	0	5	0	5	3	34	0	0	0	0			
5	0	0	0	15	3	35	0	0	0	0			
6	15	10	5	0	3	36	0	0	0	0			
7	0	5	10	15	3	37	0	0	0	0			
8	5	10	10	0	3	38	0	0	0	0			
9	5	5	0	0	3	39	0	0	0	0			
10	0	0	0	0		40	0	0	0	0			
11	0	0	0	0		41	0	0	0	0			
12	0	0	0	0	2	42	0	0	0	0			
13	0	0	0	0		43	0	0	0	0			
14	0	0	0	0		44	0	0	0	0			
15	0	0	0	0		45	0	0	0	0			
16	0	0	0	0		46	5	20	30	60	4		
17	0	0	0	0		47	50	40	30	20	4		
18	0	0	0	0		48	10	10	5	0	4 1 3		
19	0	0	0	0		49	0	0	0	5	3		
20	0	0	0	0		50	0	0	0	10	3		
21	0	0	0	0		51	0	0	0	0			
22	0	0	0	0		52	15	5	10	5	3		
23	0	0	0	0		53	10	0	5	10	3		
24	0	0	0	0		54	10	0	0	0	3		
25	0	0	0	0		55	10	0	0	0	3		
26	0	0	0	0		56	5	5	0	5	3		
27	0	0	0	0		57	0	0	0	10	3		
28	0	0	0	0		58	15	0	10	5	3		
29	5	10	5	5	4	59	15	5	5	5	3		

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/29/07
OBSERVER: R. Biagi
START: 10:10 (am) pm
FINISH: am 12:11 (pm)
Source: 130F ROOF MONITORS
Observation Point: TRAINING CENTER PARKING LOT
distance from: 2000'
direction from: S
source height: 200-250'
wind direction N
wind speed 10-15 MPH
sky condition overcast
amb. temp. (F) 35°-40°
color of emissions: WHITE UNLESS NOTED
other:
Remarks:
<input checked="" type="checkbox"/> 1 STEAM STEAMED
<input checked="" type="checkbox"/> 2 STEAM CLOUD
<input checked="" type="checkbox"/> 3 RUSTY COLOR
<input checked="" type="checkbox"/> 4 GRAY COLOR
Observer's Signature: R. Biagi

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	0	0	5	3	30					
1	0	10	15	5	3	31					
2	5	10	10	5	3	32					
3	5	0	0	0	1	33					
4	5	5	0	0	3	34					
5	0	0	0	0		35					
6	0	0	0	0	2	36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/22/10
OBSERVER:	R. BINGHAM
START:	10:00 am pm
FINISH:	am 12:11 pm
Source:	BOF ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-250'
wind direction	NNW
wind speed	10-15 mph
sky condition	overcast
amb. temp. (F)	40°-45°
color of emissions	white unless noted
other:	Heat Nos. Partial 17214 Full 17215 Partial 17216
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM SPARKIN <input checked="" type="checkbox"/> 2 STEAM ENDED <input checked="" type="checkbox"/> 3 GREY COLOR <input checked="" type="checkbox"/> 4 RUSTY COLOR <p>+ NORTHERN END OF BOF</p>
Observer's Signature	P. B.

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	5	0	0	
1	0	0	0	0	▲	31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	60	30	▲
4	0	0	0	0		34	30	30	20	15	▲
5	0	0	0	0		35	10	5	0	0	▲
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	10	0	0	0	▲
9	0	0	0	0		39	0	5	0	0	▲
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	15	0	0	0	
12	0	0	0	0		42	10	0	0	0	▲
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	5	15	▲
15	0	0	0	0		45	10	5	0	5	▲
16	0	0	0	0		46	5	0	15	0	▲
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	▲
22	0	0	0	5		52	0	0	0	0	
23	10	15	15	15		53	0	0	0	0	
24	20	20	15	15		54	0	0	0	0	
25	15	15	15	15		55	0	0	0	0	
26	20	10	15	15		56	0	0	0	0	
27	15	10	15	10		57	0	0	0	0	
28	10	10	10	5		58	0	0	0	0	
29	5	5	5	5		59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	7/22/10
OBSERVER:	R. BINGHAM
START:	10:00 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH:	am 12:11 <input checked="" type="radio"/> pm
Source:	BOF ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-250'
wind direction	NE
wind speed	10-15 MPH
sky condition	OVERCAST
amb. temp. (F)	40°-45°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM STREAMED <input checked="" type="checkbox"/> 2 STEAM ENDED <input checked="" type="checkbox"/> 3 GREY COLOR <input checked="" type="checkbox"/> 4 RUSTY COLOR <p>+ NOSEH END OF BOF</p>
Observer's Signature	R. B.

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	10	10	15	A+	48	0	0	0	0	
19	10	10	0	0	A+	49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	20	40	3
23	0	0	0	0		53	30	30	20	20	3
24	0	0	0	0		54	10	0	0	0	3 1
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	5	5	0	A
27	0	0	0	0		57	0	5	5	5	A
28	0	0	0	0		58	0	0	5	10	A
29	0	0	0	0		59	10	5	5	0	A

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/22/10

OBSERVER: R.BINGHAM

START: 10:00 am pm

FINISH: am 12:11 pm

Source:

130F ROOF MONITORS

Observation Point

TRAINING CENTER PARKING
LOT

distance from: 2000'

direction from: E

source height:

200' - 250'

wind direction NE

wind speed 15-20 MPH

sky condition overcast

amb. temp. (F) 40°-45°

color of emissions

WHITE UNLESS NOTED

other:

Remarks:

1 STEAM STARTED

2 STEAM ENDED

3 GRAY COLOR

4 RUSTY COLOR

+ NARROW END OF DUF

Observer's Signature

R.B.J.

12:00

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	5	5	5	4	30					
1	5	5	0	0	4	31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	10	0	0	5	4	34					
5	5	0	0	0	4	35					
6	10	10	0	0	3	36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0	2	40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/15/10
OBSERVER:	R. BENNOM
START:	7:18 am pm
FINISH:	11:20 am pm
Source:	13 OF ROOF MONITORS
Observation Point	TRAINING CENTER Parking lot
distance from:	2000'
direction from:	6
source height:	200 - 250'
wind direction	N
wind speed	5-10 mph
sky condition	OVERCAST
amb. temp. (F)	40°-45°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	
1 STEAM SPOTTED	
2 STEAM ENDED	
3 GRAY COLOR	
4 RUGBY COLOR	
Observer's Signature	R. Bennom

8:20							REMARKS						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0						30	0	0	0	0			
1						31	0	15	10	10			
2						32	0	0	0	0			
3						33	0	0	0	0			
4						34	0	0	0	0			
5						35	0	0	0	0			
6						36	0	0	0	0			
7						37	0	40	30	20	2		
8						38	10	0	0	0	3		
9						39	0	0	0	0			
10						40	0	0	0	0			
11						41	0	0	0	0	4		
12						42	0	0	15	10	4		
13						43	0	5	15	10	4		
14						44	0	0	5	5	4		
15						45	0	0	5	5	4		
16						46	5	10	0	0	4		
17						47	10	0	0	10	4		
18	0	0	0	0		48	5	15	10	5	4		
19	0	0	0	0		49	5	5	5	5	4		
20	0	0	0	0		50	0	0	0	0			
21	0	0	0	0		51	0	0	0	10	4		
22	0	0	0	0		52	5	0	5	0	4		
23	0	0	0	0		53	5	0	0	0	4		
24	0	0	0	0		54	0	10	5	0	4		
25	0	0	0	0		55	0	0	0	0			
26	0	0	0	0		56	0	0	0	0			
27	0	0	0	0		57	0	0	0	0	2		
28	0	0	0	0		58	0	0	0	0			
29	0	0	0	0		59	0	0	0	10	4		

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/15/10
OBSERVER: R. BINGHAM
START: 9:18 am pm
FINISH: 11:20 am pm
Source:
13 OF ROOF MONITORS
Observation Point
TRAINING CENTER PARKING lot
distance from: 2000'
direction from: S
source height:
200-250'
wind direction NNE
wind speed 5-10 MPH
sky condition OVERCAST
amb. temp. (F) 40-45°
color of emissions
WHITE UNLESS NOTED
other:
HEAT NOS.
17123
17124
Remarks:
(1) STEAM SOURCE
(2) STEAM COLOR
(3) GREY COLOR
(4) RUSTY COLOR
Observer's Signature
R. BINGHAM

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	15	10	10	5	(3)	30	0	0	0	0	
1	5	0	0	0	(3)	31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	10	(3)
5	0	0	0	0		35	60	40	25	20	(3)
6	0	0	0	0		36	15	10	10	5	(3)(1)
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	5	5	5	(4)
10	0	0	0	0		40	10	10	5	15	(4)
11	0	0	0	0		41	10	0	5	5	(4)
12	0	0	0	0		42	15	5	5	5	(4)
13	0	0	0	0		43	5	0	10	5	(4)
14	0	0	0	0		44	0	5	5	5	(4)
15	0	0	0	0		45	5	5	0	0	(4)
16	0	0	0	0		46	0	0	5	5	(4)
17	0	0	0	0		47	5	5	10	5	(4)
18	0	0	0	0		48	5	5	0	0	(4)
19	0	0	0	0		49	5	0	5	5	(4)
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	(2)
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/15/10
OBSERVER: R. BINGHAM
START: 7:18 am pm
FINISH: 11:20 am pm
Source:
BUF ROOF MONITORS
Observation Point
TRAINING CENTER PARKING LOT
distance from: 2000'
direction from: E
source height
200'-250'
wind direction NNE
wind speed 5-10 MPH
sky condition overcast
amb. temp. (F) 40° 45°
color of emissions
WHITE UNLESS NOTED
other:
Remarks:
<input checked="" type="checkbox"/> 1 STEAM STARTED
<input checked="" type="checkbox"/> 2 STEAM ENDED
<input checked="" type="checkbox"/> 3 GRAY COLOR
<input checked="" type="checkbox"/> 4 RUSTY COLOR
Observer's Signature
R. B. J.

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4	○	○	○	○		34					
5	○	○	○	○		35					
6	○	○	○	○		36					
7	○	○	○	○		37					
8	○	○	○	○		38					
9	○	○	○	○		39					
10	○	○	○	○		40					
11	○	○	○	○		41					
12	○	○	○	○		42					
13	○	○	○	○		43					
14	○	○	○	5	(3)	44					
15	5	5	5	○	(3)	45					
16	○	○	○	○		46					
17	○	○	○	○		47					
18	○	○	○	○		48					
19	○	○	○	○		49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/5/10
OBSERVER:	R. BINGHAM
START:	10:15 (am) pm
FINISH:	am 12:15 (pm)
Source:	BOF ROOF MONITORS
Observation Point	
DIST. AREA SOUTH OF COKE OVENS	
distance from:	
direction from:	SE
source height:	200'-250'
wind direction	CALM
wind speed	CALM
sky condition	SCATTERED
amb. temp. (F)	40°-45°
color of emissions	WHITE UNLESS NOTED
other:	Moved to R/R Main R. DLD. AT 10:30
Remarks:	
1 STEAM STARTED 2 STEAM ENDED 3 RUSSI COLOR 4 GRAY COLOR	
Observer's Signature	
<i>R. BINGHAM</i>	

10:00						10:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	10	20	3
8						38	20	15	5	0	3
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15	10	5	5	5	3	45	0	0	0	0	
16	5	5	5	0	3	46	0	0	0	0	
17	0	5	15	10	3	47	0	0	0	0	
18	5	5	10	5	3	48	0	0	0	0	
19	0	0	0	5	3	49	0	10	20	15	4
20	10	0	5	5	3	50	10	0	0	0	4
21	5	5	0	0	3	51	40	40	20	10	4
22	5	5	5	0	3	52	10	10	15	10	3
23	0	0	0	0		53	5	10	5	0	3
24	0	0	0	0	2	54	0	5	5	0	3
25	0	0	0	0		55	0	0	5	0	3
26	0	0	0	0		56	0	0	10	5	3
27	0	0	0	0		57	10	5	0	5	3
28	0	0	0	0		58	5	5	5	5	3
29	0	0	0	0		59	5	0	0	5	3

Last Certification Date 10/07/07

Heat NOS. 56270
17044

Authorized by: EMR
Revision Date: 10/18/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/8/10
OBSERVER:	R. BINGHAM
START:	10:15 am pm
FINISH:	am 12:15 pm
Source:	BOF ROOF MONITORS
Observation Point	R/R MAINT. BLDG - N.C. on GATE 1
distance from:	2000'
direction from:	SE
source height:	200'-250'
wind direction	S
wind speed	0-5 mph
sky condition	SCATTERED
amb. temp. (F)	45°-50°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM STARTED <input checked="" type="checkbox"/> 2 STEAM ENDED <input checked="" type="checkbox"/> 3 RUSTY COLOR <input checked="" type="checkbox"/> 4 GRAY COLOR <p>+ NORTH END OF BOF</p>
Observer's Signature	R. Bieg

11:00						11:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5	3	30	5	5	5	5	1
1	5	0	5	0	3	31	5	0	0	0	3
2	5	5	0	5	3	32	0	0	0	0	
3	0	0	0	0		33	5	5	0	5	3
4	5	0	0	0	3	34	0	0	5	0	3
5	0	0	0	0		35	0	0	5	5	3
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0	2	39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	2
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	10	10	1, 2	55	0	0	0	0	
26	5	5	0	5	4, 3, 1	56	0	0	0	0	
27	0	10	10	5	2+	57	0	0	0	0	
28	5	5	5	5	3+	58	0	0	0	0	
29	0	5	5	5	3	59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 8/8/10
OBSERVER: R. DINKNOM
START: 10:15 (am) pm
FINISH: am 12:15 (pm)
Source: BOF ROOF MONITORS
Observation Point R/R MINTS. BLDG. - NEAR GATE 1
distance from: 2000'
direction from: SSW
source height: 200'-250'
wind direction SSE
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 50°-55°
color of emissions WHITE UNLESS NOTED
other:
Remarks: <input checked="" type="checkbox"/> STREAM STARTED <input checked="" type="checkbox"/> STREAM ENDED <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> GREY COLOR + NORN END OF BOF
Observer's Signature <i>R. Dinkom</i>

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	5	20	40	4	36					
7	20	15	10	5	4 3	37					
8	10	15	10	10	3 +	38					
9	10	5	5	10	3 +	39					
10	5	5	5	0	3 + 4	40					
11	0	0	5	0	3	41					
12	0	5	5	0	3	42					
13	5	5	0	0	3	43					
14	0	0	0	5	3	44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/2/10
OBSERVER: R. BINGHAM
START: 10:30 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH: am 12:30 <input checked="" type="radio"/> pm
Source:
BOF ROOF MONITORS
Observation Point
NEAR GATE 1 - R/R MAINS. 13L06.
distance from: 2000'
direction from: S6°
source height:
200'-230'
wind direction ~
wind speed 0-5 MPH
sky condition SCATTERED
amb. temp. (F) 30°-35°
color of emissions
WHITE UNLESS NOTED
other:
Heat No. 56175 56176
Remarks:
<input checked="" type="checkbox"/> 1 STEAM SEPARATED
<input checked="" type="checkbox"/> 2 STEAM ENGINE/LIGHT STORM
Observer's Signature
R. B. J.

10:00						10:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	A
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/2/10
OBSERVER:	R. Bligham
START:	10:30 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH:	am 12:30 <input checked="" type="radio"/> pm
Source:	BOF ROOF MONITORS
Observation Point	NEAR GATE 1 - R/R MAINS. BLDG.
distance from:	2000'
direction from:	SE
source height:	200'-250'
wind direction	NW
wind speed	5-10 MPH
sky condition	BROKEN
amb. temp. (F)	30°-35°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM STANZEN <input checked="" type="checkbox"/> 2 STEAM CLOUDS/LIGHT SMOKE <input checked="" type="checkbox"/> 3 GREY SMOKE <input checked="" type="checkbox"/> 4 RUSTY COLOR
Observer's Signature	R. Bligham

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	20	25	20	15	<input checked="" type="checkbox"/> 3	30	0	0	0	0	
1	10	0	15	10	<input checked="" type="checkbox"/> 3	31	0	0	0	0	
2	15	0	0	0	<input checked="" type="checkbox"/> 3	32	0	0	0	0	
3	0	0	0	0	<input checked="" type="checkbox"/> 1	33	0	10	10	10	<input checked="" type="checkbox"/> 3
4	0	0	0	0		34	10	10	5	5	
5	0	0	0	0		35	5	0	0	5	<input checked="" type="checkbox"/> 3
6	0	0	0	0		36	0	0	25	20	<input checked="" type="checkbox"/> 3
7	0	0	0	0		37	10	5	5	5	<input checked="" type="checkbox"/> 3
8	5	5	0	10	<input checked="" type="checkbox"/> 4	38	0	0	0	0	<input checked="" type="checkbox"/> 1
9	10	5	10	15	<input checked="" type="checkbox"/> 4	39	10	5	0	0	<input checked="" type="checkbox"/> 3
10	0	10	5	0	<input checked="" type="checkbox"/> 4	40	0	0	5	5	<input checked="" type="checkbox"/> 4
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	5	0	0	<input checked="" type="checkbox"/> 4
13	0	0	0	0		43	0	0	0	10	<input checked="" type="checkbox"/> 4
14	0	10	5	0	<input checked="" type="checkbox"/> 4	44	5	5	5	5	<input checked="" type="checkbox"/> 4
15	5	5	5	0	<input checked="" type="checkbox"/> 4	45	10	5	0	5	<input checked="" type="checkbox"/> 4
16	0	0	0	0		46	10	0	5	0	<input checked="" type="checkbox"/> 4
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	5	<input checked="" type="checkbox"/> 4
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0	<input checked="" type="checkbox"/> 2	52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	<input checked="" type="checkbox"/> 2
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/2/10
OBSERVER:	R. BINGHAM
START:	10:30 am pm
FINISH:	am 12:30 pm
Source:	BaF 1200F MONITORS
Observation Point	NEAR GATE 1 - R/R MOUNT. BLDG.
distance from:	2000'
direction from:	SE
source height	200'-250'
wind direction	N
wind speed	5-10 mph
sky condition	BROKEN
amb. temp. (F)	35°-40°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM STARTED <input checked="" type="checkbox"/> 2 STEAM CHED LIGHT STEAM <input checked="" type="checkbox"/> 3 GRAY SMOKE <input checked="" type="checkbox"/> 4 IRUSM COLOR
Observer's Signature	R. B. J.

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	30	30	A	52					
23	20	15	10	20	A	53					
24	15	10	5	0	A	54					
25	0	0	0	0	A	55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/23/10
OBSERVER:	R. Bingham
START:	8:18 am pm
FINISH:	11:18 am pm
Source:	BOF ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-250'
wind direction	WNW
wind speed	5-10 MPH
sky condition	Overcast
amb. temp. (F)	30°-35°
color of emissions	CINNAMON UNLESS NOTED
other:	STEAM RAGED DURING OXYGEN BLOW
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM SPOTTED <input checked="" type="checkbox"/> STEAM ENDING FOR LIGHT SMOKE <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> WHITE SMOKE <p>+ NORTH END OF BOF</p>
Observer's Signature	R. B.

8:00					REMARKS	8:00					REMARKS
MIN	0	15	30	45		MIN	0	15	30	45	
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	1
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

Heat Nos. 56085 (partial) 56086 56087 (partial) } Combined = 2 full heats

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 3/23/10
OBSERVER: R. BINGHAM
START: 9:18 am pm
FINISH: 11:18 (am) pm
Source:
BOF ROOF MONITORS
Observation Point
TRAINING CENTER PARKING LOT
distance from: 2000'
direction from: S
source height:
200'-250'
wind direction WNW
wind speed 5-10 mph
sky condition OVERCAST
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other:
SPOTTED READ DURING OXYGEN BLOW
Remarks:
(1) STEAM SPOTTED
(2) STEAM CLOUDS OR LIGHT STEAM
(3) RUSTY COLOR
(4) WHITE SMOKE
+ NORTH END OF BOF
Observer's Signature

10:00							10:00						
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS		
0	0	0	0	0		30	0	0	0	0			
1	0	0	0	0		31	0	0	0	0			
2	0	0	10	10	(3)	32	0	0	0	0			
3	5	10	5	0	(3)	33	0	0	0	0			
4	0	0	0	0		34	0	0	0	0			
5	0	0	0	5	(4)	35	0	0	0	0			
6	5	5	0	0	(4)	36	0	0	0	0			
7	15	40	50	30	(4)	37	0	0	0	0			
8	20	10	0	0	(4)	38	0	0	0	0			
9	0	0	0	0	(1)	39	0	0	0	0			
10	0	0	0	0		40	0	0	0	0			
11	0	0	0	0		41	0	0	0	0			
12	0	0	0	0		42	0	0	0	0			
13	0	0	0	0		43	0	0	5	10	(4)		
14	0	0	0	0		44	10	0	0	0	(4)		
15	0	0	0	0		45	0	0	0	0			
16	0	0	0	0		46	10	10	10	10	(3) +		
17	0	0	0	0		47	10	10	5	5	(3) +		
18	0	0	0	0		48	0	0	0	0			
19	0	0	0	0		49	0	0	0	0			
20	0	0	0	0		50	0	0	0	0			
21	0	0	0	0		51	0	0	0	0			
22	0	0	0	0		52	0	0	0	0			
23	0	0	0	10	(3) +	53	0	0	0	0			
24	10	10	10	10	(3) +	54	0	0	0	0			
25	10	5	5	5	(3) +	55	0	0	0	0			
26	0	0	0	0		56	0	0	0	0			
27	0	0	0	0	(2)	57	0	0	0	0			
28	0	0	0	0		58	0	0	0	0			
29	0	0	0	0		59	0	0	0	0			

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/23/10
OBSERVER:	R. BINGHAM
START:	9:18 (am) pm
FINISH:	11:18 (am) pm
Source:	BOF ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200-250'
wind direction	WNW
wind speed	5-10 MPH
sky condition	overcast
amb. temp. (F)	30°-35°
color of emissions	WHITE UNLESS NOTED
other:	STEAM RISED DURING OXYGEN BLOW
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM SPREAD <input checked="" type="checkbox"/> STEAM ENDED/ON LIGHT STEAM <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> WHITE SMOKE
Observer's Signature	R. BINGHAM

11:00					REMARKS	11:00					REMARKS
MIN	0	15	30	45		MIN	0	15	30	45	
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4	○	10	30	20	4	34					
5	10	0	0	0	4 1	35					
6	○	○	0	○		36					
7	○	○	○	○		37					
8	○	○	○	○		38					
9	○	○	○	○		39					
10	○	○	○	○		40					
11	○	○	○	○		41					
12	○	○	○	○		42					
13	○	○	○	○		43					
14	○	○	○	○		44					
15	○	○	○	○		45					
16	○	○	○	○		46					
17	○	○	○	○		47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/16/10
OBSERVER: R. BINGHAM
START: 9:45 <u>am</u> pm
FINISH: 11:45 <u>am</u> pm
Source:
BOF ROOF MONITORS
Observation Point
THEMING CENTER PARKING LOT
distance from: 2000'
direction from: E
source height:
200'-250'
wind direction NW
wind speed 5-10 MPH
sky condition overcast/snow
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other: Heat NDS.
S7207
S7208
Remarks;
<input checked="" type="checkbox"/> 1 STREAM SEPARATED
<input checked="" type="checkbox"/> 2 STREAM CHOGO
<input checked="" type="checkbox"/> 3 RUSTY COLOR
<input checked="" type="checkbox"/> 4 GRAY COLOR
+ NORTHERN END OF BOF
- SOUTHERN END OF BOF
Observer's Signature

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
16						46	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
17						47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
18						48	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
19						49	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
20						50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
21						51	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
22						52	<input checked="" type="checkbox"/>				
23						53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
24						54	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
25						55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
26						56	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
27						57	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
28						58	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
29						59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

R. B. J.

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/16/10
OBSERVER:	R. BINGHAM
START:	9:45 <input checked="" type="radio"/> am pm
FINISH:	11:45 <input checked="" type="radio"/> am pm
Source:	BOP ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-250'
wind direction	W
wind speed	5'-10 mph
sky condition	overcast/snow
amb. temp. (F)	25°-30°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM SPOTTED <input checked="" type="checkbox"/> STEAM CLOUD / LIGHT STEAM <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> GRAY COLOR
+ NOKIN CNO OF BOP	
- SOUTH CNO OF BOP	
Observer's Signature	R. BINGHAM

10:00															
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS				
0	0	0	0	0		30	0	0	0	0					
1	0	0	0	0		31	0	0	0	0					
2	0	0	0	0		32	0	0	0	30	A				
3	0	5	10	10	(3) +	33	25	40	30	15	A				
4	10	5	5	5	(3) +	34	5	0	0	0	A				
5	5	0	0	0	(3) +	35	0	0	0	0					
6	0	0	0	0		36	0	0	0	0	A				
7	0	0	0	0		37	0	0	0	0					
8	0	0	0	0		38	0	0	0	0					
9	0	0	0	0	(2)	39	0	10	15	15	(3) +				
10	0	0	0	0		40	15	10	5	5	(3) +				
11	0	0	0	0		41	0	0	0	0					
12	0	0	0	0		42	0	0	0	0					
13	0	0	0	0		43	0	0	0	0					
14	0	0	0	0		44	0	0	0	0					
15	0	0	0	0		45	0	0	0	0					
16	0	0	0	0		46	0	0	0	0					
17	0	0	0	0		47	0	0	0	0					
18	0	0	0	0		48	0	0	0	0					
19	0	0	0	0		49	0	0	0	0					
20	0	0	0	0		50	0	0	0	0					
21	0	0	0	0		51	0	0	0	0					
22	0	0	0	0		52	0	0	0	0					
23	0	0	0	0		53	0	0	0	0					
24	0	0	0	0		54	0	0	0	0					
25	0	0	0	0		55	0	0	0	0	A				
26	0	0	0	0		56	0	0	0	0					
27	0	0	0	0		57	0	0	0	0					
28	0	0	0	0		58	0	0	0	0					
29	0	0	0	0		59	0	0	0	0					

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/16/10
OBSERVER: R. BINGHAM
START: 8:45 am pm
FINISH: 11:45 am pm
Source:
B30F ROOF MONITORS
Observation Point
TRAINING CENTER PARKING LOT
distance from: 2000'
direction from: E
source height:
200'-250'
wind direction WNW
wind speed 5-10 mph
sky condition overcast/snow
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other:
Remarks:
(1) STEAM SOURCE
(2) STEAM CLOUD/LIGHT STEAM
(3) DUSTY COLOR
(4) GREY COLOR
+ NORTH END OF B30F
- SOUTH END OF B30F
Observer's Signature

11:00															
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS				
0	0	0	0	0		30	0	0	0	0					
1	0	10	20	25	(4)-	31	0	0	0	0					
2	20	20	15	5	(4)-	32	0	0	0	0					
3	5	5	0	0	(4)-	33	0	0	0	0					
4	0	0	20	30	(4)-	34	0	0	0	0					
5	30	25	20	15	(4)-	35	0	0	0	0					
6	15	15	5	0	(4)-	36	0	0	0	0					
7	5	0	0	0	(4)-	37	0	0	0	0					
8	0	0	0	0		38	0	0	0	0					
9	0	0	0	0		39	0	0	0	0					
10	0	0	0	0		40	0	0	0	0					
11	0	0	0	0		41	0	0	0	0					
12	0	10	5	0	(4)	42	0	0	0	0					
13	0	0	10	25	(4)	43	0	0	0	0					
14	15	10	5	0	(4)	44	0	0	0	0					
15	0	0	5	10	(1)+ (4)	45									
16	10	10	10	10	(3)+	46									
17	0	0	0	0		47									
18	0	0	0	0		48									
19	0	0	0	0		49									
20	0	0	0	0		50									
21	0	0	0	0		51									
22	0	0	0	0		52									
23	0	0	0	0		53									
24	0	0	0	0		54									
25	0	0	0	0		55									
26	0	0	0	0		56									
27	0	0	0	0		57									
28	0	0	0	0		58									
29	0	0	0	0		59									

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/15/10
OBSERVER:	R. BINSNAM
START:	9:04 am pm
FINISH:	11:07 am pm
Source:	BOP ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	6
source height:	200'-250'
wind direction	NNW
wind speed	0-5 mph
sky condition	overcast
amb. temp. (F)	15°-20°
color of emissions	white unless noted
other:	Heat Nobs. 57180 57181
Remarks:	<input checked="" type="checkbox"/> 1 STEAM STARTED <input checked="" type="checkbox"/> 2 STEAM ENDED <input checked="" type="checkbox"/> 3 LILLY STEAM <input checked="" type="checkbox"/> 4 RUSTY COLOR <input checked="" type="checkbox"/> 5 WHITE SMOKE
Observer's Signature	R. Binsnam

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						-30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4	0	0	0	0	3	34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0	1	41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	3
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	2
16	0	0	0	10	4	46	0	0	0	0	
17	5	5	5	15	4	47	0	0	0	0	
18	5	10	5	10	4	48	0	0	0	0	
19	15	20	10	5	4	49	0	0	0	0	
20	5	5	5	5	4	50	0	0	0	5	5
21	10	10	15	5	4	51	10	10	5	10	5
22	5	5	5	5	4	52	10	10	5	5	5
23	5	5	10	5	4	53	10	15	15	10	5
24	0	0	0	0		54	5	5	0	0	5
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0	3	58	0	0	0	0	
29	0	0	0	0	2	59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/15/10
OBSERVER: R. Bingham
START: 8:04 (am) pm
FINISH: 11:07 (am) pm
Source:
Bof Roof Monitors
Observation Point
Training Center Parking Lot
distance from: 2000'
direction from: E
source height:
200' - 250'
wind direction N
wind speed 0-5 MPH
sky condition overcast
amb. temp. (F) 25°-30°
color of emissions
white unless noted
other:
Remarks;
1 STEAM STREAMS
2 STEAM CLOUDS
3 LIGHT STEAM
4 RUSTY COLOR
5 WHITE SMOKE
+ NORTH END OF BOF
- SOUTH END OF BOF
Observer's Signature

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	40	A	32	0	0	0	0	
3	50	40	40	30	S	33	0	0	0	0	
4	20	20	70	60	A	34	0	0	0	10	A+
5	40	20	20	10	A	35	10	15	10	15	A+
6	10	5	0	0	A A	36	15	10	5	0	A+
7	0	0	0	0		37	10	5	0	0	A+
8	0	0	0	0		38	0	0	0	0	A-
9	0	0	0	0		39	0	0	0	0	
10	10	10	10	10	A+	40	0	0	0	0	
11	10	10	0	0	A+	41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	15	10	A	45	0	0	0	0	
16	5	0	5	0	A	46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	5	5	5	0	A	48	0	0	0	15	A
19	0	0	0	0		49	15	10	10	5	A
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0	A	55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0	A	57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/15/03
OBSERVER:	R. BINGHAM
START:	8:04 AM pm
FINISH:	11:07 AM pm
Source:	BOP ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200'-250'
wind direction	NNW
wind speed	0-5 MPH
sky condition	OVERCAST
amb. temp. (F)	25°-30°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	
<input checked="" type="checkbox"/> STORM STARTED <input checked="" type="checkbox"/> STORM ENDED <input checked="" type="checkbox"/> LIGHT STORM <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> UNISP. STROKE + NORTH END OF BOP - SOUTH END OF BOP	
Observer's Signature	

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	40	A	32					
3	20	10	10	5	A	33					
4	0	40	30	15	AA	34					
5	5	5	0	0	A	35					
6	0	0	0	0		36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/8/10
OBSERVER: R. BINGHAM
START: 9:05 am pm
FINISH: 11:10 am pm
Source:
BOF ROOF MONITORS
Observation Point
TRAINING CENTER PARKING LOT
distance from: 2000'
direction from: S
source height:
200'-250'
wind direction CALM
wind speed 0-5 MPH
sky condition CLEAR
amb. temp. (F) 10°-15°
color of emissions
WHITE UNLESS NOTED
other:
Heat Nos.
55870
55871
Remarks;
<input checked="" type="checkbox"/> 1 STEAM STEAMCO
<input checked="" type="checkbox"/> 2 STEAM CLOUDS
<input checked="" type="checkbox"/> 3 WHITE/GREY IN COLOR
Observer's Signature

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	○	○	○	○	
1						31	○	20	25	15	▲
2						32	5	○	○	○	▲
3						33	○	○	○	○	▲
4						34	○	○	○	○	▲
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○	▲	36	○	○	○	○	
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○	▲	39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	▲
25	○	○	○	○		55	○	○	○	○	
26	○	○	○	○		56	○	○	○	○	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	▲
29	○	○	○	○		59	○	○	○	○	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/8/10
OBSERVER:	R. BINGHAM
START:	9:05 am pm
FINISH:	11:10 am pm
Source:	BOF ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200' - 250'
wind direction	CALM
wind speed	0-5 MPH
sky condition	SCATTERED
amb. temp. (F)	20°-25°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM SOURCE <input checked="" type="checkbox"/> 2 STEAM ENDING <input checked="" type="checkbox"/> 3 WHITE/GREY IN COLOR <input checked="" type="checkbox"/> 4 YELLOW IN COLOR
Observer's Signature	R. BINGHAM

10:00					REMARKS	10:00					REMARKS
MIN	0	15	30	45		MIN	0	15	30	45	
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0	2	32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	A
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	10	15	10	5	A	37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	A
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	3/8/10
OBSERVER:	R. BINGHAM
START: 9:05	am
FINISH: 11:10	pm
Source:	30F ROOF MONITORS
Observation Point	TRAINING CENTER PARKING LOT
distance from:	2000'
direction from:	E
source height:	200' - 250'
wind direction	W
wind speed	0 - 5 mph
sky condition	SCATTERED
amb. temp. (F)	25° - 30°
color of emissions	WHITE UNLESS NOTED other:
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1 STEAM STARTED <input checked="" type="checkbox"/> 2 STEAM GLOWED <input checked="" type="checkbox"/> 3 WHITE/GRAY IN COLOR <input checked="" type="checkbox"/> 4 YELLOW IN COLOR
Observer's Signature	R.B.A.

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/1/10
OBSERVER:	R. BINGHAM
START:	9:33 am pm
FINISH:	11:33 am pm
Source:	BOF ROOF MONITORS
Observation Point	GRAVEL MOUND SOUTH OF COKE OVENS
distance from:	1600'
direction from:	SE
source height:	200'-250'
wind direction	S
wind speed	0-5 MPH
sky condition	SCATTERED
amb. temp. (F)	15°-20°
color of emissions	WHITE UNLESS NOTED
other:	Heat Nos 16592 (partial) 16593 55774 (partial)
Remarks;	<input checked="" type="checkbox"/> 1 STEAM STARTED <input checked="" type="checkbox"/> 2 STEAM ENDED <input checked="" type="checkbox"/> 3 RUSTY COLOR + NORTH END OF BOF
Observer's Signature	R. B. J.

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33	0	0	0	0	
4						34	0	0	10	10	<input checked="" type="checkbox"/> 3+
5						35	15	15	10	5	<input checked="" type="checkbox"/> 3+
6						36	5	0	0	0	<input checked="" type="checkbox"/> 3+
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 2/1/10
OBSERVER: R. Binkam
START: 7:33 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
FINISH: 11:33 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm
Source:
BOF ROOF MONITORS
Observation Point
GRAVEL AREA SOUTH OF COKE OVENS
distance from: 100'
direction from: SE
source height:
200'-250'
wind direction WSW
wind speed 0-5 MPH
sky condition BROWN
amb. temp. (F) 15°-20°
color of emissions
WHITE UNLESS NOTED
other:
Remarks:
<input checked="" type="checkbox"/> STEAM SOURCE
<input checked="" type="checkbox"/> STEAM CLOUD
<input checked="" type="checkbox"/> RUSTY COLOR
<input checked="" type="checkbox"/> GREY COLOR
+ NORTH END OF BOF
Observer's Signature

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	10	10	A
2	0	0	0	0		32	10	15	5	10	A
3	0	0	0	0		33	5	5	0	5	A
4	0	0	0	0		34	5	5	0	10	A
5	0	0	0	0		35	10	5	5	0	A
6	0	0	0	0		36	0	5	5	0	A
7	0	0	0	0		37	5	10	10	5	A
8	0	0	0	0		38	10	5	0	5	A
9	0	0	0	0		39	0	0	10	15	A+
10	0	0	0	0		40	20	15	10	5	A+
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0	A	49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	30	40	20	A	55	15	30	40	40	A
26	15	5	5	5	A A	56	30	25	20	10	A
27	0	0	0	0		57	5	0	0	0	A
28	0	0	0	0		58	0	40	40	30	A
29	0	0	0	0		59	10	10	5	0	A

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	2/1/10
OBSERVER:	R. BINGHAM
START:	8:30 am
FINISH:	11:30 am
Source:	Bof Roof Monitors
Observation Point	GROUNL AREA SOUTH OF COKE OVENS
distance from:	1600'
direction from:	SE
source height:	200' - 250'
wind direction	S SW
wind speed	0-5 MPH
sky condition	broken
amb. temp. (F)	20°-25°
color of emissions	white unless noted
other:	
Remarks:	<input checked="" type="checkbox"/> STEAM SCATTERED <input checked="" type="checkbox"/> STEAM CLOUDY <input checked="" type="checkbox"/> RUSTY COLOR <input checked="" type="checkbox"/> GRAY COLOR + NORTH END OF BOF
Observer's Signature	R. BINGHAM

11:00														
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS			
0	○	○	○	○		30	○	○	○	○				
1	○	○	○	○		31	○	○	○	○				
2	○	○	○	○		32	○	○	○	○				
3	○	○	○	○		33								
4	○	○	○	○		34								
5	○	○	○	○		35								
6	○	○	○	○		36								
7	○	○	○	○		37								
8	○	○	○	○		38								
9	○	○	○	10	3	39								
10	5	○	○	○	3	40								
11	○	○	○	○		41								
12	○	○	○	○		42								
13	○	○	○	○		43								
14	○	○	○	○		44								
15	○	○	○	○		45								
16	○	○	○	○		46								
17	○	○	○	○	A	47								
18	○	○	○	○		48								
19	○	○	○	○		49								
20	○	○	○	○		50								
21	○	○	○	○		51								
22	○	○	○	○		52								
23	○	○	○	○		53								
24	○	○	○	○		54								
25	○	○	○	○		55								
26	○	○	○	○		56								
27	○	○	○	○		57								
28	○	10	5	○	A+	58								
29	○	○	○	○		59								

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/27/10
OBSERVER: R. BINGHAM
START: 9:10 <input checked="" type="radio"/> am <input type="radio"/> pm
FINISH: 11:10 <input checked="" type="radio"/> am <input type="radio"/> pm
Source:
BOF ROOF MONKONS
Observation Point
GRAVEL AREA SOUTH OF COKE OVENS
distance from: 1600'
direction from: SE
source height:
200'-250'
wind direction SSW
wind speed 5-10 mph
sky condition overcast
amb. temp. (F) 15°-20°
color of emissions
CLOUDY UNLESS NOTED
other:
Heat #s 16524 55700 partial 16525
Remarks:
<input checked="" type="checkbox"/> 1 STEAM STACKED
<input checked="" type="checkbox"/> 2 STEAM ENDED
<input checked="" type="checkbox"/> 3 LIGHT STEAM
<input checked="" type="checkbox"/> 4 WHITE SMOKE
<input checked="" type="checkbox"/> 5 RUSTY COLOR - SOUTH END OF BOF
Observer's Signature
R. BINGHAM

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	15	4
2						32	10	5	0	0	4
3						33	0	0	0	0	
4						34	40	30	15	5	4
5						35	5	0	0	0	4 1
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10	0	0	0	0	A	40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	15	20	15	4	44	0	15	5	5	5
15	30	30	20	15	4	45	5	0	10	0	5
16	10	10	5	10	4	46	0	0	0	0	
17	5	10	5	0	4	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	3
25	0	15	10	15	A -	55	0	0	0	0	
26	10	5	5	0	A -	56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/08

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/27/10
OBSERVER:	R. Buzenot
START:	9:10 am pm
FINISH:	11:10 am pm
Source:	BOP BOF MONITORS
Observation Point	GENERAL AREA SOUTH OF COKE OVENS
distance from:	1600'
direction from:	SE
source height:	200'-250'
wind direction	WSW
wind speed	5-10 MPH
sky condition	overcast
amb. temp. (F)	15°-20°
color of emissions	white unless noted
other:	
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM STORMS <input checked="" type="checkbox"/> STEAM ENDS <input checked="" type="checkbox"/> LIGHT STEAM <input checked="" type="checkbox"/> WHITE SMOKE <input checked="" type="checkbox"/> RUSTY COLOR - SOUTH END OF BOP
Observer's Signature	R. Buzenot

10:00															
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS				
0	0	60	50	50	4	30	0	0	0	0					
1	40	40	40	100	4	31	0	0	0	0					
2	100	90	50	40	4	32	0	0	0	0					
3	20	10	0	0	4 A	33	0	0	0	0					
4	20	20	20	15	5	34	0	0	0	0					
5	10	15	10	10	5	35	0	0	0	0					
6	5	10	5	5	5	36	0	0	0	0					
7	0	0	0	0		37	0	0	0	0					
8	15	0	0	0	5	38	0	0	0	0					
9	0	0	0	0		39	0	0	0	0					
10	0	0	0	0		40	0	0	0	0					
11	0	0	0	0		41	0	0	0	0					
12	0	0	0	0		42	0	0	0	0					
13	0	0	0	0		43	0	0	0	0					
14	0	0	0	0		44	0	0	0	0					
15	0	0	0	0		45	0	0	0	0					
16	0	0	0	0		46	0	0	0	0					
17	0	0	0	0		47	0	0	0	0					
18	0	0	0	0		48	0	0	0	0					
19	0	0	0	0		49	0	0	0	0					
20	0	0	0	0		50	0	0	0	0	A				
21	0	0	0	0	A	51	0	0	0	0					
22	0	0	0	0		52	0	0	0	0					
23	0	0	0	0		53	0	0	0	0					
24	0	0	0	0		54	0	0	0	0					
25	0	0	0	0		55	0	0	0	0					
26	0	0	0	0		56	0	0	0	0					
27	0	0	0	0		57	0	0	0	0					
28	0	0	0	0		58	0	0	0	0					
29	0	0	0	0		59	0	0	0	0					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/27/10
OBSERVER: R.Bingham
START: 8:10 am pm
FINISH: 11:10 am pm
Source:
BOF ROOF MONITORS
Observation Point
GROVEL ARCO SOUTH OF COKE OVENS
distance from: 1600'
direction from: SE
source height:
200' - 250'
wind direction WSW
wind speed 5-10 MPH
sky condition BROKEN
amb. temp. (F) 15° - 20°
color of emissions
WHITE UNLESS NOTED
other:
Remarks:
(1) STEAM STANDED
(2) STEAM CLOUDED
(3) LIGHT STEAM
(4) WHITE SMOKE
(5) RUSTY COLOR
- SOUTH END OF BOF
Observer's Signature

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4	○	○	○	○		34					
5	○	○	○	○		35					
6	○	○	○	○		36					
7	○	○	○	○	③	37					
8	20	70	30	100	④	38					
9	80	90	90	90	④	39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/21/10
OBSERVER: R. BROWN
START: 9:20 am pm
FINISH: 11:20 am pm
Source:
B OF ROOF MONITORS
Observation Point
TRADING CENTER PARKING LOT
distance from: 1500'
direction from: S
source height:
200' - 250'
wind direction ENE
wind speed 5-10 MPH
sky condition SCATTERED
amb. temp. (F) 20° - 25°
color of emissions
WHITE UNLESS NOTED
other:
CALLED AND CONFIRMED AT 11:19
Remarks:
<input checked="" type="checkbox"/> 1 STEAM STACED
<input checked="" type="checkbox"/> 2 STEAM CLOUDS
<input checked="" type="checkbox"/> 3 WHITE SMOKE
Heat Nos 55614 16440 55617
Observer's Signature

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	40	50	<input checked="" type="checkbox"/> 3
2						32	20	10	0	0	<input checked="" type="checkbox"/> 3
3						33	0	40	30	20	<input checked="" type="checkbox"/> 3
4						34	0	0	0	0	<input checked="" type="checkbox"/> 1
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	<input checked="" type="checkbox"/> 2
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 11/21/10
OBSERVER: R. BINGHAM
START: 9:20 am pm
FINISH: 11:20 am pm
Source:
130F 1200F MONITORS
Observation Point
TRAINING CENTER PARKING LOT
distance from: 1500'
direction from: S
source height:
200'-250'
wind direction NE
wind speed 5-10 MPH
sky condition SCATTERED
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other:
CALL AND CONFIRMED AT 11:15
Remarks;
(1) STEAM STARTED
(2) STEAM ENDED
(3) WIND SHOTGED
Observer's Signature

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30	○	○	○	○	
1	○	○	○	○		31	○	○	○	○	
2	○	○	○	○		32	○	○	○	○	
3	○	○	○	○		33	○	○	○	○	
4	○	○	○	○		34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	(2)
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	50	40	30	20	(3)
16	○	○	○	○		46	15	10	5	5	(3)
17	20	10	0	0	(3)	47	15	20	15	5	(3)
18	○	○	○	○	(1)	48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	(1)
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	
25	○	○	○	○		55	○	○	○	○	
26	○	○	○	○		56	○	○	○	○	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	
29	○	○	○	○		59	○	○	○	○	

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/21/08
OBSERVER: R. BINGHAM
START: 7:20 am pm
FINISH: 11:20 am pm
Source:
BOF ROOF MONITORS
Observation Point
TRAINING CENTER PARKING LOS
distance from: 1500'
direction from: E
source height:
200'-250'
wind direction ENE
wind speed 5-10 MPH
sky condition SCATTERED
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other:
CALL AND CONFIRMED AT 11:17
Remarks:
(1) STEAM STARTED
(2) STEAM ENDED
(3) WHITE SMOKE
Observer's Signature

11:00						11:00					
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4	○	○	○	○		34					
5	○	○	○	○		35					
6	○	○	○	○		36					
7	○	○	○	○	(2)	37					
8	○	○	○	○		38					
9	○	○	○	○		39					
10	○	○	○	○		40					
11	○	○	○	○		41					
12	○	○	○	○		42					
13	○	○	○	○		43					
14	○	○	○	○		44					
15	○	○	○	○		45					
16	○	○	○	○		46					
17	○	○	○	○		47					
18	○	○	○	○		48					
19	○	○	○	○		49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/15/10
OBSERVER: R. Bingham
START: 9:00 am pm
FINISH: 11:00 am pm
Source:
BOF ROOF MONITORS
Observation Point
NGRN 605C 1 - R/LA MAINS. BCHL.
distance from: 1700'
direction from: SE
source height:
200' - 250'
wind direction W
wind speed 0-5 MPH
sky condition overcast
amb. temp. (F) 35°-40°
color of emissions
WHITE UNLESS NOTED
other:
Remarks;
1 STEAM STARVED
2 STEAM ENDED
3 RUSTY IN COLOR
4 DARK GRAY IN COLOR
- CENTER OF BOF
+ NARIN END OF BOF
Observer's Signature

9:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	6	6	
2	0	0	0	0		32	0	0	0	0	
3	0	0	5	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	10	10	2+	36	0	0	0	0	
7	15	10	5	0	3+	37	0	0	0	0	
8	0	0	0	0	2	38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	50	4 -
13	0	0	0	0		43	30	20	15	5	4 -
14	0	0	0	0		44	0	0	0	0	1
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	15	10	5	10	3 -
20	0	0	0	0		50	10	10	5	5	3 -
21	0	0	0	0		51	5	0	0	10	3 -
22	0	0	0	0		52	10	15	10	5	3 -
23	0	0	0	0		53	10	5	10	10	3 -
24	0	0	0	0		54	5	5	10	10	3 -
25	0	0	0	0		55	5	5	5	5	3 -
26	0	0	0	0		56	5	5	10	0	3 -
27	0	0	0	0		57	0	0	5	5	3 -
28	0	0	0	0		58	10	10	0	5	3 -
29	0	0	0	0		59	5	0	0	0	3 -

Last Certification Date 10/07/08

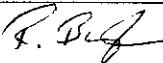
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/15/10
OBSERVER:	R. BINEKOM
START:	9:00 am pm
FINISH:	11:00 am pm
Source:	BOF ROOF MONITORS
Observation Point	GRAVEL AREA SOUTH OF COKE OVENS
distance from:	1600'
direction from:	SE
source height:	200'-250'
wind direction	W
wind speed	0-5 MPH
sky condition	OVERCAST
amb. temp. (F)	35°-40°
color of emissions	WHITE UNLESS NOTED
other:	Heat Mr. 16353 55532
Remarks:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> STEAM SPOTTED <input checked="" type="checkbox"/> STEAM ENDS <input checked="" type="checkbox"/> RUSTY IN COLOR <input checked="" type="checkbox"/> DARK GREY IN COLOR <input checked="" type="checkbox"/> WHITE SMOKE - CENTER OF BOF t NARSH END OF BOF
Observer's Signature	R. Binek

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0	(2)	31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	30	50	40	40	(3) -	33	0	0	0	0	
4	30	20	10	0	(4) -	34	0	0	0	0	
5	5	50	40	30	(5) -	35	0	0	0	0	
6	20	5	0	0	(6) -	36	0	0	0	0	
7	0	0	0	0	(7)	37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	5	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	5	0	0	(2)	56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

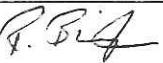
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 11/7/10	
OBSERVER: R. Binkham	
START: 10:37 am pm	
FINISH: am 12:48 pm	
Source:	
BOF ROOF MONITORS	
Observation Point	
DIREC AREA S/W OF BLAST	
Furnace # 814 P15	
distance from: 1000'	
direction from: SE	
source height:	
200'-250'	
wind direction S	
wind speed 5-10 mph	
sky condition OVERCAST	
amb. temp. (F) 25°-30°	
color of emissions	
WHITE UNLESS NOTED	
other,	
Remarks;	
<input checked="" type="checkbox"/> STEAM SPOTTED	
<input checked="" type="checkbox"/> STEAM ENDED	
Heat M# 55423 55424	
Observer's Signature	
	

10:06											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37	○	○	○	○	
8						38	○	○	○	○	
9						39	○	○	○	○	
10						40	○	○	○	○	
11						41	○	○	○	○	
12						42	○	○	○	○	
13						43	○	○	○	○	
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/2/10
OBSERVER:	R. BINGHAM
START:	10:37 am
FINISH:	am 12:40 pm
Source:	BOF ROOF MONITORS
Observation Point	
DIST. AREA 3/L OF BLAST	
FURNACE SCAG PIT	
distance from:	1000'
direction from:	SE
source height:	200'-250'
wind direction	SSW
wind speed	0-5 MPH
sky condition	OVERCAST
amb. temp. (F)	25° - 30°
color of emissions	WHITE UNLESS NOTED
other:	
Remarks;	
(1) STEAM OBSERVED	
(2) STEAM CLOUDS	
(3) RUSTY COLOR	
Observer's Signature	

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	15	10	5	0	(3)
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 11/7/07
OBSERVER: R. BINGHAM
START: 10:37 am pm
FINISH: am 12:46 pm
Source:
Dof Roof Monitors
Observation Point
Dirt area S/W of Blast
Furnace slag pit
distance from: 1000'
direction from: SE
source height:
200'-250'
wind direction SSW
wind speed 0-5 MPH
sky condition OVERCAST
amb. temp. (F) 25°-30°
color of emissions
WHITE UNLESS NOTED
other,
Remarks:
(1) STEAM STARTED
(2) STEAM ENDED
(3) RUSTY COLOR
Observer's Signature

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	10	25	10	5	(3)
4	0	0	0	0		34	5	10	5	0	(3)
5	0	0	0	0		35	0	0	0	5	(3)
6	0	0	0	0		36	15	5	5	5	(3)
7	0	0	0	0		37	10	10	5	15	(3)
8	0	0	0	0		38	20	15	15	20	(3)
9	0	0	0	0		39	20	15	10	10	(3)
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE:	1/5/10
OBSERVER:	R. BINGHAM
START:	10:03 (am) pm
FINISH:	am 12:04 (pm)
Source:	BOF ROOF MONITORS
Observation Point	
DIRT AREA S/W OF 136TH	
FURNACE SLAG PIT	
distance from:	800'
direction from:	50°
source height:	200'-250'
wind direction:	NNW
wind speed	0-5 MPH
sky condition	overcast
amb. temp. (F)	20°-25°
color of emissions	
white unless noted	
other:	
CALLED AND CONFIRMED AT	
12:03	
Remarks:	
(1) STEAM SOURCE	
(2) STEAM CLOUD	
(3) RUSTY COLOR	
Heat No.	
16243	
55398	
Observer's Signature	

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3	0	5	5	5	(3)	33	0	0	0	0	
4	5	0	0	5	(3)	34	0	0	0	0	
5	0	0	5	5	(3)	35	0	0	0	6	
6	5	20	25	15	(3)	36	0	0	0	0	
7	5	5	15	10	(3)	37	0	0	0	0	
8	15	15	20	10	(3)	38	0	0	0	0	
9	20	15	15	20	(3)	39	0	0	0	0	
10	15	15	10	5	(3)	40	0	0	0	0	
11	10	10	20	10	(3)	41	0	0	0	0	
12	5	10	10	10	(3)	42	0	0	0	0	
13	10	20	10	5	(3)	43	0	0	0	0	
14	15	5	20	15	(4)	44	0	0	0	0	
15	5	10	15	10	(3)	45	0	0	0	0	
16	5	0	0	5	(3)	46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	6	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	6	0	0	
28	0	0	0	0		58	10	0	5	0	(3)
29	0	0	0	0		59	0	5	6	0	(3)

R. Bingham

Last Certification Date 10/07/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/5/10
OBSERVER: R.Bingman
START: 10:03 <u>am</u> pm
FINISH: am 12:04 <u>pm</u>
Source:
BOP ROOF MONITORS
Observation Point
DIREC AREA 5/6 OF BLAST
FURNACE SLUG PLS
distance from: 800'
direction from: SE
source height:
200'-250'
wind direction NW
wind speed 0-5 MPH
sky condition OVERCAST
amb. temp. (F) 20°-25°
color of emissions
WHITE UNLESS NOTED
other:
CALL AND CONFIRMED AT 12:03
Remarks;
(1) STEAM STANSEN
(2) STEAM CLOUDY
(3) RUSTY COLOR
(4) WHITE/LIGHT GREY IN COLOR - UNABLE TO DETERMINE IF SMOKE OR STEAM
Observer's Signature

11:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	5	(3)	30	0	20	30	30	(3)
1	0	5	5	5	(1)	31	30	25	20	20	(3)
2	0	0	10	10	(3)	32	15	15	10	10	(3)
3	5	5	10	15	(3)	33	10	5	5	0	(3)
4	15	10	5	5	(3)	34	0	0	0	0	
5	10	10	10	5	(3)	35	0	0	0	0	
6	10	15	20	5	(3)	36	0	0	0	0	
7	10	15	15	15	(3)	37	0	0	0	0	
8	10	10	5	5	(3)	38	0	0	0	0	
9	15	5	10	5	(3)	39	10	10	5	30	(3)
10	5	10	10	5	(3)	40	40	50	30	25	(3)
11	5	5	5	10	(3)	41	20	10	5	0	(3)
12	10	5	5	5	(3)	42	0	0	0	0	
13	10	5	10	10	(3)	43	0	0	0	0	(2)
14	5	0	5	0	(3)	44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	(1)
18	0	0	0	15	(4)	48	0	0	0	0	
19	25	25	15	10	(4)	49	0	0	0	0	
20	5	15	40	60	(4)	50	0	0	0	0	
21	60	40	20	0	(4)	51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	6		55	0	0	0	0	
26	0	0	0	6		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/07/09

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 1/5/10
OBSERVER: R. BINGHAM
START: 10:03 am pm
FINISH: am 12:04 pm
Source:
BOF 1200F MELTERS
Observation Point
DIST AREA S/W OF PLANT
FURNACE SLAG PITS
distance from: 800'
direction from: SE
source height:
200' - 250'
wind direction NW
wind speed 0-5 MPH
sky condition OVERCAST
amb. temp. (F) 20°-25°
color of emissions
UNIGE UNLESS NOTED
other:
COLLED AND CONFIRMED AT 12:03
Remarks:
<input checked="" type="checkbox"/> STEAM SPOTTED
<input checked="" type="checkbox"/> STEAM CLOUDS
<input checked="" type="checkbox"/> RUSTY COLOR
Observer's Signature

12:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 10/07/09